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## EXPLANATION OF PLATE II.

- Fig. 1. *Moina dubia*, Richard. Female from the Blue Nile,  $\times 100$ .  
Fig. 2. Ditto. First antenna of male,  $\times 260$ .  
Fig. 3. *Moina salinarum*, Gurney. Postabdomen of female,  $\times 190$ .  
Fig. 4. Ditto. Head of male from below,  $\times 150$ .  
Fig. 5. *Alona rectangula*. Part of postabdomen of female,  $\times 1050$ .  
Fig. 6. *Chydorus* sp.? Postabdomen,  $\times 260$ .

V.—New Species of *Heterocera* from Costa Rica.—IV.  
By W. SCHAUS, F.Z.S.

*Eriopyga duruscula*, sp. n.

♂. Head, collar, thorax, and fore wings light brown tinged with lilacine. Abdomen fuscous, the last segment and subdorsal tufts brown; anal hairs yellowish. Fore wings thinly irrorated with black; a fine black antemedial shade, incurved in cell, outcurved below cell; orbicular and reniform very large, outlined in buff; the postmedial fine, black, indistinct, slightly incurved below reniform, followed on veins by black and greyish irrorations; a subterminal straight buff line; the veins terminally irrorated with black and greyish; base of fringe finely buff. Hind wings thinly scaled, fuscous grey; the fringe luteous.

Expanse 31 mm.

Hab. Volcano Poas.

Belongs to the group of *E. purpurigera*, Gn.

Ann. & Mag. N. Hist. Ser. 8. Vol. vii.

*Eriopyga rubicundula*, sp. n.

Basal half of antennæ white. Head, collar, and thorax olive-brown. Abdomen above grey, tinged with roseate posteriorly; anal hairs ochreous brown; underneath tinged with roseate. Fore wings olive-brown tinged with red; the costa and inner margin finely roseate; a small red spot at base of cell; an antemedial red spot below cell, with faint traces of a line to inner margin; a medial red line across cell obliquely to vein 3, angled and inwardly oblique to inner margin; reniform large, outlined by a fine red line, and with a small fuscous spot posteriorly; a geminate fine red outer line, angled at vein 7, then nearly straight to inner margin, filled in with a pale shade; subterminal reddish scales on veins; marginal red scaling, interrupted by black and white irrorations on veins; fringe tipped with roseate. Hind wings fuscous grey tinged with brown; the fringe roseate. Wings below roseate; the disk of fore wings fuscous; a few long hairs in cell.

Expanse 29 mm.

*Hab.* Juan Vinas.

*Eriopyga evanida*, sp. n.

♀. Palpi laterally brown, tipped with whitish; third segment light brown. Head and front of collar whitish buff; collar behind and thorax brownish buff. Abdomen grey, with fuscous hairs and irrorations. Fore wings light brownish buff; a basal and an antemedial fine black line; the orbicular and reniform creamy buff, the latter crossed by a faint brown shade; the postmedial fine, black, deeply lunular between veins, punctiform on veins; a very faint paler subterminal shade; a terminal dark line at tornus. Hind wings fuscous grey.

Expanse 29 mm.

*Hab.* Volcano Poas.

*Eriopyga volcania*, sp. n.

♀. Head, collar, and thorax dark brown. Abdomen fuscous brown; sublateral whitish tufts at base. Fore wings dark silky brown tinged with steel-grey, the outer margin with bronze; some duller dark brown shadings on base of costa; the lines fine, very dark brown, the antemedial projecting outwardly on submedian fold, the postmedial lunular; orbicular and reniform outlined in very dark brown, the latter shaded with bronze within; a fine, dark, subterminal wavy

line; fringe bronze. Hind wings silky brownish grey; a dark shade on discocellular; fringe outwardly white.

Expanse 36 mm.

*Hab.* Volcano Turrialba.

*Eriopyga turrialba*, sp. n.

♂. Head, collar, and thorax lilacine brown. Abdomen fuscous above, roseate brown underneath. Fore wings lilacine brown, darkest in cell; median vein from basal line buff; a deeply dentate buff basal line, partly edged with black; antemedial outwardly oblique on costa, buff, edged with black, fine, black, single in cell, below cell fine, black, interwoven with a light brown line; orbicular large, irregularly triangulate, a linear buff line finely edged with black; reniform large, whitish, somewhat lunular, finely edged with black, inwardly crossed by a fine dark line, and with a dark spot posteriorly; above reniform on costa an inwardly oblique buff line edged with black; postmedial fine, black, indistinct, followed by geminate dark spots on veins separated by whitish spots; veins terminally irrorated with fuscous and grey; a terminal black line, interrupted by whitish points at tips of veins. Hind wings fuscous brown; the fringe roseate brown. Fore wings below with long downturned roseate brown hairs; a curved postmedial space with similar fuscous hairs; buff upturned hairs along submedian. Hind wings: the costal half to short postmedial dark line with downturned roseate brown hairs; a dark spot on discocellular; inner half of wing fuscous grey, apical area roseate brown with dark irrorations.

Expanse 30 mm.

*Hab.* Volcano Turrialba, 5800 feet.

This species belongs to the group of *E. lodebar*, Druce.

*Eriopyga renalba*, sp. n.

Palpi brown, fringed with white in front. Head, collar, and thorax brown, the latter faintly tinged with violaceous. Abdomen above black; anal hairs light brown. Fore wings silky brown, the veins tinged with fuscous grey; buff mottlings at base; the antemedial hardly perceptible, darker, geminate on costa and inner margin, separated on costa by a buff shade; a white point edged with black as orbicular; reniform large, white, outwardly oblique from subcostal, containing some brownish scales; a medial broad darker shade; a buff streak on costa above reniform; postmedial very indistinct, lunular, with dark points on veins; subterminal dark

velvety spots, outwardly shaded with a few whitish scales; terminal whitish points at ends of veins. Hind wings silky brown, tinged with fuscous on inner margin; fringe whitish, tinged with roseate brown. The hind wings below are covered with downturned hairs, the costal half roseate brown; a black spot on discocellular; a faint subterminal line below costa.

Expanse 33 mm.

*Hab.* Poas, Juan Vinas.

Near *E. flammans*, Dogn.

*Eriopyga cachia*, sp. n.

♂. Head, collar, and thorax light brown; a brown-black spot on middle of collar. Abdomen light greyish fuscous above. Fore wings light brown, shaded with grey beyond postmedial; lines fine, black, geminate, filled in with faintly lighter brown, the basal line wavy; the antemedial slightly outcurved, preceded by a small black spot on submedian; a medial wavy black shade; the postmedial oblique from costa to vein 6, then nearly straight, followed by geminate black spots on veins from 6 to submedian, and with some white scales; subterminal also geminate, incurved on costal margin and parallel with postmedial; a terminal lighter brown lunular line, enclosing small black spots between the veins. Hind wings greyish fuscous; a darker terminal line; fringe light brown. Wings below whitish buff; a dark postmedial line; the costal margins roseate brown, with darker irroration; the discal area of fore wings shaded with fuscous, and with long downturned hairs in cell; a dark discal point on hind wings.

Expanse 32 mm.

*Hab.* Cachi.

Near *E. infirma*, Gn.

*Eriopyga poasina*, sp. n.

Palpi brown, outwardly fuscous. Head light brown, collar and thorax slightly darker brown. Abdomen fuscous brown; anal hairs light reddish brown. Fore wings glossy fuscous brown, the lines broad, buff-brown; the antemedial nearly straight; the postmedial faintly oblique from costa to vein 6, straight to vein 3, slightly incurved to submedian, and inbent below it; the orbicular a small black spot; reniform nearly quadrate, buff-brown, edged with black and containing some black scales; the subterminal fine, wavy,



paler, barely perceptible on costa only. Hind wings fuscous, tinged with brown; the fringe slightly roseate. Fore wings below with long hairs in cell and postmedially. Hind wings roseate brown; a black spot on discocellular; a postmedial fuscous line; outer margin shaded with fuscous.

Expanse 33 millim.

*Hab.* Volcano Poas.

Near *E. pyropis*, H.

*Eriopyga cartagensis*, sp. n.

Palpi black, buff-brown above. Head and collar buff mottled with brown. Thorax brown. Abdomen greyish, irrorated with black and with transverse dark lines; anal hairs reddish buff. Fore wings brown; a brown-black velvety basal line, thicker and geminate on costa, and followed by a large spot below cell, with a line projecting anteriorly towards antemedial; the antemedial similar, almost obsolescent in cell, geminate on costa and below cell, outset below submedian; the orbicular and reniform equally large, dark brown, laterally edged with velvety-black lines, both oblique towards middle of wing and connected posteriorly by a broad velvety-black band; outer half of costa spotted with dark brown and roseate buff; postmedial fine, geminate, darker brown but indistinct, followed on vein 6 to submedian by geminate velvety spots; the subterminal similar, the outer line thicker between 5 and 6 and 6 and 7; terminal dark spots between the veins. Hind wings whitish, the veins and outer margin shaded with fuscous; a dark streak on discocellular; fringe roseate, crossed by a greyish line. Fore wings below with downturned hairs in and below cell, which are yellowish white below cell. Hind wings whitish irrorated with brown, the costal margin broadly tinged with roseate brown; a black spot on discocellular; a postmedial dark line, obsolescent on inner margin.

Expanse 30 mm.

*Hab.* Cartago, Sixola.

Near *E. goniostigma*, Schs.

*Eriopyga limonis*, sp. n.

♀. Head and thorax brown. Abdomen fuscous brown, the anal hairs slightly reddish brown. Fore wings brown; a faint basal line buff, edged with black across costa and cell, followed by a whitish point on subcostal; a fine black antemedial line at a third from base, geminate on costa, followed by two whitish points below subcostal; a medial fuscous

shade, outwardly angled below reniform, which is large, constricted, finely outlined with white, and contains a whitish line; the postmedial line finely lunular, black, followed by geminate dark points on veins; an irregular series of subterminal small whitish spots inwardly shaded with black, terminating in a larger spot at tornus; a terminal pale line inwardly edged with black and thickened at end of veins. Hind wings fuscous brown, palest at base; a terminal dark line.

Expanse 44 mm.

*Hab.* Juan Vinas.

Allied to *E. monilis*, Gn., but easily distinguished by the darker hind wings and the reniform.

*Callierges tropicalis*, sp. n.

Head brown, crossed by dark brown lines; collar grey, bordered with light brown in front, with dark brown behind, and crossed by three fine brown shades. Thorax brown; a broad whitish streak on patagia. Abdomen pale reddish brown; black and grey subdorsal tufts on first four segments. Fore wings: the costal margin grey, crossed by dark lines; base of cell, median vein between cell and fold to vein 2, below fold, and on inner margin antemedially buff, shaded with light brown; base of submedial fold whitish buff, and a similar streak near base of inner margin, followed by a black streak beneath it; pale streaks in and below cell from vein 2 to reniform; the cell anteriorly and reniform space shaded with greyish buff; a reddish-brown line on discocellular; a brown streak below fold from base to a dark brown shade, which follows the buff area; the postmedial area light grey, incurved to inner margin, and crossed by a row of dark points on veins; some whitish subterminal streaks between the veins, followed by dark brown streaks on margin; between veins 4 and 5 the brown streak extends from reniform; the shortest streak terminal, between 3 and 4; a brown area at tornus, streaked with dark brown and white; fringe crenulate brown, with white spots at ends of veins. Hind wings white on basal half, the outer half fuscous; veins 2, 3, 4, and 6 with blackish streaks; fringe brown, tipped with white.

Expanse 35 mm.

*Hab.* Juan Vinas.

*Speocropia grandimacula*, sp. n.

♀. Head, collar, and thorax brown irrorated with black.

Abdomen above fuscous; subdorsal brown tufts on segments 2-4. Fore wings brown irrorated with black, the veins dark greyish; a fine antemedial velvety-black line; the medial area below submedian fold velvety black-brown, surmounted by a small dark spot near antemedial line; the postmedial fine, black, outcurved around cell, outwardly finely edged with light brown, and at submedian with white; a subterminal dark velvety spot between veins 4 and 5, and a much smaller spot above 5; submarginal white scales on veins; terminal white points on veins; fringe fuscous and brown, cut by light brown shades at veins. Hind wings brown; a dark postmedial line, followed above anal angle by buff and dark lines; a terminal lunular dark line inwardly edged with buff.

Expanse 46 mm.

*Hab.* Juan Vinas.

Allied to *S. anyra*, Druce.

*Cropia philosopha*, sp. n.

♂. Head, collar, and thorax dark purplish brown. Abdomen brown, with reddish-brown dorsal tufts on four basal segments, and a dark round patch on last segment, not always present. Fore wings dark brown; a geminate antemedial lilacine white line, curved from costa to submedian, and again below it, closely followed by a third similar line from subcostal, and a darker brown space between cell and submedian; orbicular large, faintly edged on either side with lilacine and containing a similar streak; reniform large, light brown, inwardly edged with lilacine white, outwardly by the blackish-brown postmedial shade, which is wavy to inner margin; a geminate, subterminal, lilacine white, wavy line, followed by an irregular lilacine marginal shade; the veins partly streaked with whitish; terminal white points on veins. Hind wings brown; a fine darker postmedial line and vague subterminal shade; a dark grey spot at anal angle between two white lines. Underneath the fore wings are brown, the inner margin and hind wings whitish buff; broken antemedial and postmedial lines and an indistinct subterminal shade; a brown spot on discocellular of hind wings; a patch of light brown rough scales on fore wings before discocellular.

Expanse 55 mm.

*Hab.* Tuis.

Allied to *C. phila*, Druce, but much larger and with entirely brown hind wings.

*Cropia submarginalis*, sp. n.

♂. Head, collar, thorax, and fore wings grey-black, the veins velvety black. Abdomen fuscous; subdorsal dark brown tufts. Fore wings: a basal curved line, geminate, followed by another dull black, fine, and indistinct shade; the antemedial slightly outcurved between the veins, connected with postmedial by a line curved upwards towards cell, then down to postmedial; orbicular space large, containing some white scales, and limited except along subcostal by a finer velvety line, partly edged with white scales; the medial line outcurved, touching reniform, and crossed in cell by an inwardly oblique line surmounted by a heavier streak on costa, outbent below submedian fold; the reniform dull grey irrorated with white; the postmedial obliquely wavy to vein 4, then incurved wavy to inner margin, followed by a whitish shade; subterminal ochreous-brown shadings, crossing a dark streak between 4 and 5 and one on submedian fold; a terminal dark line and white points at tips of veins; fringe brown-black. Hind wings dark brown; a postmedial black line, followed by white scales; a dark spot and submarginal white scales at anal angle; a terminal whitish line below apex. Fore wings below silky brown, the inner margin white; a dark medial spot on costa and line across cell; a postmedial line, heaviest on costa and below submedian fold. Hind wings below white tinged with brown; an antemedial line, heaviest on costa, a spot on discocellular; a dentate postmedial line, heaviest on inner margin; faint subterminal spots.

Expanse 43 mm.

*Hab.* Juan Vinas, Tuis.

*Heterochroma viridipicta*, sp. n.

Palpi pale reddish brown, dark brown laterally. Head lilacine brown; dark brown spots on vertex. Collar dark lilacine grey and light reddish brown. Thorax dark violaceous brown, streaked with green. Abdomen lilacine brown and grey, reddish brown subdorsally. Fore wings black-brown; the costa and inner margin finely reddish; a dentate basal green line; the antemedial black, irregularly outcurved and inbent on inner margin, broadly shaded with green, followed on submedian fold by a white spot and in cell by a reddish-brown shade extending along median towards reniform, and followed by a dark spot edged on either side by a fine green line; the reniform irregular, reddish brown,

inwardly edged by a dark line, and outwardly crossed by a similar line and some green scales; the postmedial blackish, lunular, dentate, only slightly outcurved, and outwardly shaded with green; veins 2, 3, and 5 on postmedial space edged with roseate brown to subterminal line, which is white, indentate just above submedian, spotted with roseate brown on veins; outer margin with a broad green shade, interrupted by the veins, which are brown irrorated with lilacine, and incurved between the veins, leaving terminal brown spots; fringe roseate brown at base, tipped with dark brown. Hind wings fuscous brown, tinged with roseate; the fringe roseate.

Expanse 53 mm.

*Hab.* Tuis, Juan Vinas.

*Heterochroma exundata*, sp. n.

♂. Head and collar mottled buff-grey and dark brown, the collar shaded posteriorly with green. Thorax mottled brown and green. Abdomen grey-brown, with pale subdorsal tufts. Fore wings brown; patches at base below cell to antemedial, the orbicular and a spot below it, also large subterminal patches, obsolescent between veins 3 and 4, very dark brown, partly edged with black; the antemedial and postmedial line fine, wavy, black, broadly shaded with green; a green basal line and green mottlings along costa; the orbicular, reniform, and spot below orbicular partly edged with white; the subterminal patches outwardly edged by a wavy white line, lunular on costa, which immediately distinguishes this species from *H. beryllus*, Gn.; the subterminal space between 3 and 4 light brown; the outer margin pale olivaceous brown, with irregular dark terminal spots between the veins inwardly shaded with buff, which extends on to fringe at veins; the veins outwardly speckled black and white. Hind wings fuscous brown, palest at base, but not white as in *H. beryllus*; a darker postmedial and terminal line.

Expanse, ♂ 39, ♀ 42 mm.

*Hab.* Juan Vinas.

*Heterochroma ligata*, sp. n.

Head, collar, and thorax brown, mottled with buff. Abdomen buff, shaded with light brown. Fore wings brown, mottled with lighter brown and buff, darker brown before and beyond reniform; antemedial, medial, and postmedial light brown lines on costa, edged with dark brown; veins irrorated with grey and light brown; some black-brown at



base below cell; the medial oblique towards reniform, inset in cell, suffusing with vague orbicular shade, and lunular to inner margin, light brown, edged with dark brown; reniform large, somewhat lunular, edged with light brown anteriorly, with white posteriorly; the postmedial on costa only; an outer line at three-fourths from base, inwardly oblique from costa to submedian fold, then outbent, light brown, edged with darker brown, and intercepted by the veins; a subterminal white shade outcurved from 6 to 3, again between 3 and 2, and then wavy to tornus; an interrupted marginal white line, edged on either side with dark brown, more broadly on inner side between veins 5 and 8; the inner dark shadings are also inwardly edged by buff-brown; fringe dark brown, tipped with light brown and intercepted by buff-brown at veins. Hind wings brown, shaded with buff at base and terminally; dark, fine, terminal lines at ends of veins; fringe pale buff.

Expanse 53 mm.

*Hab.* Juan Vinas.

*Phuphena multilinea*, sp. n.

Palpi, head, collar, and thorax light brown. Abdomen dorsally light brown on two basal segments, otherwise fuscous; underneath whitish grey. Fore wings light brown, the outer margin broadly whitish, crossed by nearly straight darker brown lines from subcostal to inner margin; two basal, three antemedial, and three postmedial lines, the latter followed by a less distinct and somewhat broken subterminal shade; a broad darker brown medial shade from below cell, above it a short streak and the reniform, which is large, dark, and contains a light brown streak; a submarginal grey shade, outwardly edged by a white line, slightly incurved from apex to vein 4, and followed by dark brown; fringe light brown, divided by a dark line. Hind wings fuscous brown; the fringe white, with a few dark scales. Underneath the fore wings are dark brown, the outer and inner margins white, the costal margin buff; the hind wings white, thinly irrorated with brown, and traces of a postmedial line.

Expanse 30 mm.

*Hab.* Sixola.

*Phuphena zelotypa*, sp. n.

Body brown above, underneath reddish brown. Fore wings brown, tinged with lilacine; a light brown basal line, somewhat oblique inwardly from costa; the antemedial line



light brown, outwardly edged with reddish brown, inwardly oblique on costa, then nearly straight to inner margin; spots indistinct, indicated by pale lines; the postmedial slightly outcurved around cell, preceded by a vague fuscous shade, light brown, inwardly edged with reddish brown; a subterminal straight pale line from costa near apex to tornus, outwardly shaded with dark brown; a geminate pale marginal line from apex, angled between veins 5 and 6, leaving a dark brown terminal spot between vein 5 and apex, and small spots below vein 5. Hind wings dark brown, the fringe paler.

Expanse 23 mm.

*Hab.* Juan Vinas, Guapiles.

*Chytonix elegans*, sp. n.

Head, collar, and thorax light green, the patagia mottled with white. Abdomen whitish, irrorated posteriorly with black. Fore wings pale green; lines broad, white; a curved basal line, inwardly shaded with black scales below cell; the antemedial outcurved; the postmedial twice slightly curved, inwardly shaded with black scales, forming a spot on costa; a black medial shade across costal margin; a black oblique shade below cell connecting the antemedial and postmedial lines; orbicular round, black, edged with buff; reniform space white, crossed by a black spot; a white shade on costa at apex; a fine, lunular, subterminal buff line, preceded by reddish-brown shading and followed by fuscous-grey shades; large terminal black spots between the veins; fringe olivaceous, with paler streaks at veins. Hind wings whitish at base, otherwise fuscous; a dark spot on discocellular; fringe olivaceous, with darker shadings.

Expanse 19 mm.

*Hab.* Juan Vinas.

*Monodes medioclara*, sp. n.

Palpi outwardly brown, inwardly grey. Head grey irrorated with brown. Collar dark brown on anterior half, whitish grey behind. Thorax whitish grey, the patagia dorsally fringed with black. Abdomen pale greyish brown. Fore wings: the basal third obliquely to middle of inner margin and the postmedial space broadly greyish brown; the medial space whitish grey; a geminate curved brown basal line, indistinct; the antemedial wavily oblique, geminate, partly filled in with white; orbicular round, grey, broadly edged with white and beyond by a fine black line; reniform

similar, large, oval, slightly oblique, crossed by a grey-brown shade; a blackish streak at base of inner margin, surmounted by an outwardly oblique dark shade; a dark brown spot medially on costa; a geminate dark line from reniform to inner margin, filled in with white; a fine postmedial brown line oblique from costa, angled at vein 6, then nearly straight to inner margin; above angle of postmedial a black-brown shade to costa, and beyond it from 3 to 6 some velvety spots, the longest between 4 and 5; a subterminal whitish shade; the outer margin darker grey; a terminal brown line; fringe grey, spotted with fuscous at veins. Hind wings white; the costal margin and apex fuscous, narrowing towards anal angle; a dark spot on discocellular.

Expanse, ♂ 28 mm.

The female has the medial space irrorated with dark grey; the postmedial line of hind wings below showing above, and the wings more broadly shaded with fuscous.

Expanse 33 mm.

*Hab.* Cachi, Juan Vinas.

Allied to *M. niveiplaga*, Schs.

*Ogdoconta pulverulenta*, sp. n.

Head, collar, thorax, and fore wings lilacine brown, thickly irrorated with lilacine. Abdomen and hind wings fuscous brown. Fore wings: the lines dark brown, only faintly indicated on costal margin; the veins dark brown from antemedial to subterminal line; the antemedial nearly straight; the orbicular round, linear; an oval linear spot below orbicular; the reniform space large, inwardly limited by a brown line, outwardly by the postmedial; the veins on reniform space not dark; the subterminal heavily marked, curved below costa and parallel to postmedial, followed by a brown shade outwardly dentate on veins, with clusters of lilacine scales between them; a terminal dark line, inwardly shaded with lilacine.

Expanse 30 mm.

*Hab.* Juan Vinas.

Allied to *O. cymographa*, Hmps. n.

*Ogdoconta pulvilinea*, sp. n.

Head, collar, and thorax brown, irrorated with lilacine. Abdomen greyish. Fore wings silky grey-brown, irrorated with lilacine on costa and near the lines, which consist of lilacine scales and are very fine; the basal line outwardly oblique from costa; the antemedial lunular, straight; the

orbicular linear; the reniform consisting of two wavy lines, the outer one following the postmedial closely to inner margin; the postmedial straight from subcostal to vein 3, then incurved; the lilacine scales beyond postmedial almost forming another line; a subterminal wavy line; a marginal white line; lilacine streaks on fringe at ends of veins. Hind wings silky grey, shaded with fuscous; the fringe white.

Expanse 22 mm.

*Hab.* Avangarez.

*Emarginea anna*, sp. n.

Head white. Antennæ black, the basal joint white. Collar and thorax black, slightly irrorated with pale reddish brown; metathorax pale reddish brown. Abdomen above fuscous black, laterally, underneath, and anal hairs creamy buff. - Fore wings: the base pale reddish brown, broadest on inner margin, with outwardly a few black scales on costa, inner margin, and at fold; some black scales at base chiefly near median and a black line on costa; medial space white, with a triangular patch of black scales on costa; a broad blackish postmedial shade curved over end of cell and continuing straight to inner margin as a finer line; the outer margin pale reddish brown; fringe black at apex, middle, and at tornus; a small white spot on costa beyond postmedial. Hind wings white.

Expanse 19 mm.

*Hab.* Sixola.

Allied to *E. combusta*, Wlk., but quite distinct.

*Bryolymnia poasia*, sp. n.

♀. Palpi, head, and thorax black, irrorated with white; a white line on frons and vertex. Abdomen whitish, irrorated with black. Fore wings white; the base above submedian broadly blackish, especially anteriorly; the orbicular consisting of a black point within a black annular line and some black scales below it; a few black scales on inner margin antemedially; the reniform large, outlined in black scales and crossed by a blackish shade from costa to inner margin, rather broader and outcurved below cell; the postmedial fine, black, oblique from costa to vein 6, then straight and indented on submedian fold, preceded by a large blackish spot above vein 4 and followed by black above vein 6 to costa; the outer margin dirty white, shaded with grey except at apex and crossed by a whitish subterminal shade. Fringe mottled white and black. Hind wings white, the outer

margin suffused with fuscous; a fuscous spot on discocellular; a faint postmedial line.

Expanse 31 mm.

*Hab.* Volcano Poas.

Allied to *B. atriceps*, H.

*Bryolymnia marginata*, sp. n.

Palpi black-brown, the last joint white, with a dark spot in front. Head white. Collar white, shaded anteriorly with brown. Thorax brown; metathorax silvery white. Abdomen dark brown. Fore wings: the base black, indentate on subcostal and dentate below cell; the medial space silvery white, with a small black spot on costa; the outer portion of wing dark silky brown, shaded with black towards apex and inwardly obliquely curved from costa to vein 2, then outwardly oblique and sinuous to inner margin; four costal white points near apex; fringe white except at tornus and vein 4. Hind wings fuscous brown.

Expanse 22 mm.

*Hab.* Tuis.

*Calymniodes confisa*, sp. n.

Palpi and head brown; collar brown, shaded with dark grey; some metallic steel-grey scales posteriorly. Thorax blackish, metathoracic tuft reddish brown. Abdomen greyish brown. Fore wings light brown, shaded with darker brown and grey, and with buff medially on costa; the base broadly suffused with black except below submedian, limited by the antemedial line, which is velvety brown-black, straight from costa, forming a lunule below cell and below submedian; the orbicular large, round, mottled with buff, circled by a fine brownish line, and containing a faint dark point; a medial dark shade, oblique to reniform, then straight to inner margin; the reniform large, indistinct, partly edged with white, followed by a velvety brown-black spot which fills in the angle produced by the dark velvety postmedial, which is wavily oblique from a dark costal spot, curved between 6 and 5, and is then nearly straight to inner margin, but interrupted by the veins; the postmedial is followed by a greyish shade, mottled with white below vein 3, and outwardly limited on costa by a short, curved, black subterminal line; a brown terminal line interrupted by whitish points at tips of veins. Hind wings fuscous, palest at base, showing the dark discal spot of underside. Underneath white; fore wings with a fuscous shade from middle of cell to outer margin; a medial

dark spot on costa and a faint postmedial and subterminal line; hind wings with the postmedial heavily marked, lunular, and interrupted by the veins, also a large dark spot on discocellular; the outer margin shaded with fuscous, on which there is a straight subterminal line.

Expanse 31 mm.

*Hab.* Juan Vinas, Carillo.

*Basilodes aurata*, sp. n.

♀. Head and thorax light brown; the basal joint of antennæ white. Abdomen light silky brown; some whitish hairs on basal segment. Fore wings golden, thickly irrorated with brown, the two lines very fine, darker brown; the antemedial oblique from costa to below orbicular, angled and inwardly oblique to submedian, where it is faintly angled again; the spots somewhat greyish, finely circled with brown, the orbicular and reniform the same size, but the latter surmounted by another slightly smaller spot; the postmedial oblique from costa, angled between 7 and 6, inwardly oblique and slightly sinuous; the veins finely streaked with brown. Hind wings golden fuscous; the cilia tipped with white.

Expanse 35 mm.

*Hab.* San José.

*Chalcoesia gloria*, sp. n.

♀. Head, collar, and thorax light brown, faintly suffused with purplish; metathoracic tuft reddish brown. Abdomen light brown. Fore wings: the basal third purple-grey, overlaid basally on costa, in and below cell with buff scales streaked with brown, and limited by a dark brown line, inwardly shaded with reddish brown, very slightly curved from costa to inner margin; the dark outer line inwardly oblique from costa to near vein 5, then outwardly oblique and curved between vein 3 and fold; the medial space dark greyish near antemedial line, tinged with olive-green on costa, fading to whitish before postmedial, the inner margin lighter grey, and a large bright roseate patch in curve of postmedial; the outer margin olive-green, becoming paler terminally. Hind wings fuscous brown; the fringe luteous.

Expanse 33 mm.

*Hab.* Sixola.

*Chalcoesia patricia*, sp. n.

♂. Head, collar, and thorax brown; the metathoracic tuft



reddish brown. Abdomen above fuscous grey, tinged with brown subdorsally. Fore wings: the basal third dark purplish grey, limited by a curved dark brown line, and overlaid with buff and light brown scales on base of costa, cell, and just below cell; medially the costal and inner margin olive-grey, otherwise olive-yellow; a faint outer line, oblique from costa to vein 6, then rounded and incurved to inner margin; the outer margin pale roseate brown, irrorated with white; the costa apically olive-brown. Hind wings fuscous brown, the veins darker; cilia yellowish buff.

Expanse 29 mm.

*Hab.* Sixola.

*Bagisara pacifica*, sp. n.

♂. Body and fore wings greyish buff, faintly tinged with brown. Fore wings somewhat glossy, the lines paler; a medial line slightly outcurved on subcostal, incurved below it to inner margin close to postmedial, which is outcurved beyond cell, then inwardly oblique, but very slightly so, to inner margin; the subterminal outcurved on costa, then straight to tornus; terminal black points on either side of vein 3; a faint darker shade on discocellular. Hind wings yellowish buff.

Expanse 31 mm.

*Hab.* Avangarez Mines.

*Bagisara avangareza*, sp. n.

♀. Palpi dark buff. Head and collar creamy white. Thorax and abdomen buff. Fore wings yellowish buff, tinged with lilacine brown on inner margin and outer margin from vein 6 to tornus; the lines fine, slightly wavy, brown; the antemedial barely curved on costa, preceded by a vague fine brownish shade below cell; the postmedial slightly outcurved beyond cell and closely followed by a fine dark shade and a few dark irrorations; the subterminal fine, slightly outcurved; the outer margin terminally darker brown; fringe dark violaceous. Hind wings whitish at base, shading to ochreous on outer margin.

Expanse 29 mm.

*Hab.* Avangarez Mines.

*Bagisara albicosta*, sp. n.

♂. Palpi buff, with dark irrorations. Head and thorax brownish buff. Collar whitish. Abdomen brownish buff



above, luteous underneath. Fore wings pale cupreous brown, the costa and lines white; the inner margin shaded with buff, broadly before subterminal line; a faint oblique basal line; the antemedial oblique from costa to submedian beyond middle; a white streak on discocellular; the post-medial slightly incurved, not reaching inner margin; the subterminal slightly oblique inwardly from costa to vein 5, then outbent to tornus; the outer margin rich cupreous brown; a terminal row of black points. Hind wings yellowish buff, with long wedge-shaped iridescent marks at ends of veins.

Expanse 39 mm.

*Hab.* Avangarez Mines.

*Pæctes curvilinea*, sp. n.

♂. Palpi brown laterally, white in front. Head olive-brown, spotted with black. Collar buff, shaded in front with olive, posteriorly tipped with white. Thorax and base of abdomen black and brown; abdomen otherwise grey above, the last two segments and underneath light reddish brown. Fore wings: the costal margin light brown at base, tinged with olive outwardly; a white spot at apex; a broad buff patch at base below cell; a black streak on base of submedian, outwardly bifurcating; the lower streak curving to inner margin, the upper streak ascending on antemedial, which is light brown, geminate, curved from submedian to subcostal; a steel-grey spot at base of inner margin; medial space grey, shaded with brown and olive on inner margin, extending beyond cell towards apex; a fine medial and postmedial line crossing this grey portion; orbicular small, light brown edged with grey; the reniform large, diffuse, light brown; from outer margin below white apical spot a velvety black-brown line, incurved to inner margin at three-fourths from base, preceded in part by a finer dark line, and followed by a broad dark grey shade on which are some darker lines, and a light brown subterminal shade above tornus; an interrupted dark brown marginal line; fringe brown and fuscous. Hind wings fuscous brown, whitish hyaline at base, below cell, and in interspaces close to cell; the inner margin grey, crossed by three black lines; fringe grey and fuscous.

Expanse 25 mm.

*Hab.* Juan Vinas.

*Charadra nitens*, sp. n.

♂. Palpi dark brown laterally, whitish in front, the third

segment buff. Head mottled grey and brown. Collar light brown in front, then a black-brown transverse line, and whitish behind. Thorax whitish grey; some fine transverse black lines posteriorly. Abdomen brown-grey; the subdorsal tufts mottled grey and whitish. Fore wings silky grey, shaded with light brown, especially on outer margin; a black basal line; an antemedial and a medial black line, connected by a dark streak on fold below cell; a darker grey shade in cell and on costa before antemedial; the medial space shaded with brown; the medial line inwardly geminate on costa and cell, preceded and followed by a duller brown spot; the postmedial space broadly whitish above vein 4, crossed by a fine brown line shaded with white below vein 3 to inner margin; a subterminal dark shade oblique from costa to vein 6, then inset and paler to vein 2, below which it is again darker; dark terminal streaks on veins and a terminal blackish line intercepted by veins; fringe grey-white. Hind wings fuscous grey, the veins darker; a terminal dark line.

Expanse 39 mm.

*Hab.* Juan Vinas.

The female is more uniformly grey, the orbicular better defined.

Expanse 44 mm.

*Plusia limata*, sp. n.

Head, collar, and thorax olivaceous brown, the collar and patagia tipped with lilacine. Abdomen buff-grey, darker subdorsal tufts at base. Fore wings lilacine, thinly irrorated with olive-brown, and with similar shadings at base and on costa; the medial space, below cell and silver mark, metallic brown; a lilacine basal line; the antemedial fine, brown, outwardly edged with lilacine, and white below cell; orbicular annular, finely edged with olive-brown and anteriorly irrorated with brown; the reniform consisting of a dark shade, inwardly limited by a lilacine line edged with brown, and outwardly containing an indistinct curved silvery line; below cell and orbicular a silvery line along vein 2, abruptly bent back and curving to median, the sharp point thus produced filled with silver, and leaving a small triangular lilacine space between vein 2 and median; the postmedial fine, dark brown, slightly incurved below vein 5 and outwardly shaded with clear lilacine; a broad subterminal bronze shade outwardly limited from above vein 3 to apex by a straight

brown line; a fine terminal dark line. Hind wings grey-brown, the veins darker; some whitish shades in cell and just beyond.

Expanse 39 mm.

*Hab.* Juan Vinas.

Very closely allied to *P. feisthameli*, Gn., but the silver mark is quite different.

*Plusia meretricia*, sp. n.

Head and collar brown shaded with roseate, the collar tipped behind with roseate. Thorax greyish brown, with darker mottlings. Abdomen covered with long ochreous-brown hairs. Fore wings: costal margin olive-brown, shaded and spotted with roseate buff; base olive-brown, limited by a straight whitish basal line, geminate on costa; antemedial space olive-brown above median, roseate below, with two black points; the antemedial line geminate on costa, obsolescent in cell, single below it, white, finely edged with brown; cell on medial space tinged with roseate; the orbicular large, finely outlined in dark brown, and also by a silver line at submedian; the reniform large, consisting of a dark brown shade, crossed by a lilacine shade, and with three curved silvery lines, two posteriorly and one anteriorly and outwardly; medial space below cell metallic bronze; a silvery  $\nu$  below orbicular and a round silvery spot more outwardly and well separated from it; postmedial fine, dark bronze, shaded on either side with roseate buff, slightly incurved below vein 4; the outer space metallic bronze, with a darker subterminal shade; a marginal straight roseate buff shade from apex to vein 4, becoming broader below vein 4; a terminal brown line. Hind wings silky fuscous brown.

Expanse 42 mm.

*Hab.* Sixola, El Sitio.

*Campometra leucoplaga*, sp. n.

♀. Head and collar light brown, irrorated with dark scales. Thorax with a white transverse line posteriorly. Abdomen fuscous; a light brown transverse shade on second segment. Fore wings greyish brown; a black and white wavy basal line, a small black spot at base of inner margin; a broad white antemedial shade, crossed by an irregular black line, and extending in cell to a large white patch at end of cell, which reaches costa and is crossed by a dentate brown line which joins the postmedial below vein 3; the

postmedial fine, black, starting from a triangular black costal spot, which is followed by a white space, also crossed by a dark line; a broken fine postmedial black line, slightly thicker in places and forming trigonate velvety spots between veins 3 and 5; a fuscous shade between postmedial and subterminal; small marginal white spots outwardly shaded with black; a crenulate dark terminal line; fringe grey, with white patches at veins 2 and 5. Hind wings greyish brown; a white point at end of cell; vague antemedial and medial lines; a velvety black-brown subterminal line from vein 6 to anal angle, slightly incurved and terminating in a white spot; marginal spots and terminal line as on fore wings. Underneath fuscous brown; the outer margins broadly darker, medial and postmedial broad dark lines.

Expanse 49 mm.

*Hab.* Tuis.

*Campometra meretricia*, sp. n.

♀. Head and collar mottled light and dark brown. Thorax grey-brown, irrorated with lilacine and with dark transverse shades. Abdomen grey; some dark transverse shades. Fore wings: the base to antemedial dark brown irrorated with buff; a basal black line shaded with white; the antemedial wavy, blackish, shaded with green-grey scales, more heavily black on inner margin; the medial space buff, irrorated with dark scales, with a small whitish space below cell; the orbicular a white point edged finely with dark brown; a medial dark line, excurved and indentate on median and submedian, and with geminate dark shades on costa and inner margin; an irregular white spot on reniform, followed by a whitish space to costa and postmedial which arises from a triangular dark costal spot, is dark brown to vein 5, and is followed by a greenish-grey shade incurved below reniform; a dentate subterminal line; outer margin mottled brown and grey, with a terminal whitish spot at vein 5; an interrupted dark marginal line, a terminal crenulate line. Hind wings brownish grey, with vague geminate medial line; a fine postmedial line; a more distinct subterminal line inwardly shaded with dark grey; the outer margin suffused with whitish. Underneath buff; the outer margins broadly fuscous; fine medial and postmedial lines and linear marks on discocellular. Sometimes the green-grey shadings are absent and the medial and postmedial lines are heavily shaded with dark brown.

Expanse 48 mm.

A male has the space from antemedial to postmedial whitish, with the markings almost obsolete except the dark costal patch.

Easily distinguished from *C. leucoplaga*, Schs., by the straighter postmedial line on hind wings.

*Campometra angulata*, sp. n.

♂. Palpi, head, and collar light brown, the latter edged with dark brown. Thorax light brown, with dark transverse shades and whitish irrorations on patagia. Fore wings brown, with dark streaks between the veins at base and on postmedial space; the subcostal and median buff from base to antemedial, which is oblique to subcostal, angled and nearly straight to submedian, where it is incurved; the antemedial line is white or buff, edged with black-brown, partly coalescing outwardly with an incurved dark medial line which is geminate; a third medial dark line from cell outwardly oblique to inner margin and outwardly shaded with buff; a white spot on discocellular, bifurcating posteriorly and containing a black streak and some buff shadings; a dentate postmedial geminate dark line from veins 7 to 3, and a buff line from its origin to costa at submarginal, which is broad, buff, edged with black; a marginal black line interrupted by veins and preceded by a whitish or buff shade between veins 2 and 5; fringe with paler shades at veins 5 and above tornus. Hind wings brown; a fine dentate dark postmedial line, followed by a paler shade; the submarginal and marginal lines as on fore wings. Underneath fuscous brown; dark spots at end of cells; a fine medial line and broad postmedial dark line.

Expanse 50 mm.

*Hab.* Juan Vinas, Tuis.

Closely allied to *C. caminata*, Schs., which has the antemedial line curved.

*Campometra rufipicta*, sp. n.

Head and thorax reddish brown, irrorated with buff; frons buff; some lilacine scales on patagia. Abdomen fuscous; dorsal brown tufts; a black transverse line at base, followed by a dorsal buff spot. Fore wings: costal margin black, shaded with brown, crossed by light brown lines; a line above reniform and origin of postmedial white; the antemedial also finely white; base fuscous, shaded with dark brown; basal and antemedial lines fine, velvety, the latter shaded with lighter brown; orbicular round, blackish;



a geminate dark shade from below orbicular straight to inner margin, followed by a brown shade from subcostal on a paler ground; reniform mottled brown and buff, with two white points below; postmedial finely dentate, lunular, inbent at vein 3 to reniform, shaded with pale buff below it to inner margin; outer margin light brown, crossed by irregular darker shades; a broad subterminal dark shade from vein 6 to costa and a small spot between 3 and 4; a submarginal interrupted dark line; a terminal wavy brown line; terminal darker streaks on veins 3 and 4. Hind wings: the medial space light reddish brown; a fine dark postmedial line; the subterminal broader, dark reddish brown; the submarginal line inwardly shaded with buff, especially towards apex. Underneath silky slate-grey; a faint darker medial and postmedial line; pale terminal shades at vein 4; buff spots on costa of fore wings.

Expanse 44 mm.

*Hab.* Juan Vinas, Sixola.

*Safia minor*, sp. n.

Head and thorax mottled reddish brown and grey; frons buff. Abdomen fuscous brown; a dark transverse band on first segment; some buff subdorsally on second segment. Wings brown, crossed by darker lines. Fore wings: the basal half darker brown; a fine black antemedial line, with some reddish irrorations; indistinct medial lines; reniform large, whitish, irrorated and crossed by brown lines; the postmedial fine, dark, only slightly outcurved, inwardly oblique to vein 2, then dentate, straight to inner margin; a subterminal dentate velvety shade above vein 5, followed and preceded by fuscous shades; subterminal reddish shades from vein 5 to inner margin; submarginal dark streaks between the veins; a wavy terminal line. Hind wings: two medial finely dentate lines; a fine velvety postmedial line, followed by another dark line; the subterminal dark velvety brown, shaded with reddish outwardly, toothed on discocellular fold; some fuscous shades near tornus. Hind wings below whitish, irrorated with brown, three transverse lines, and a subterminal fuscous shade; pale streaks shaded with brown on discocellular of both wings.

Expanse 33 mm.

*Hab.* Sixola.

*Safia abscisa*, sp. n.

♂. Head, collar, and thorax dark reddish brown; the



frons pale buff. Abdomen dark fuscous grey, with dark brown subdorsal tufts. Fore wings dark brown, the basal half almost black, crossed by a darker, velvety, wavy antemedial line and limited by a similar shade; dark steel-grey shades at base of inner margin, in cell, and beyond antemedial in and below cell; black spots on costa divided by roseate buff lines, the orbicular small, annular; the reniform outlined in white points and streaks; the postmedial outcurved, surmounted by a dark velvety spot on costa, heavily marked beyond cell, incurved to below cell well before reniform, and very fine to inner margin; a subterminal velvety shade near costa; the outer margin broadly shaded with dark steel-grey, almost black, with a purplish tinge; submarginal dark spots inwardly shaded with light brown; a terminal wavy dark line. Hind wings dark brown, pale at apex; a fine postmedial dentate black line, followed by a broad velvety brown-black shade from below vein 6 to inner margin; a large dark lilacine grey space on outer margin between veins 2 and 4, crossed by a pale shade. Fore wings below dull brown, irrorated with white; geminate medial spots on costa and a single medial line; the postmedial finely dentate; a terminal whitish spot at vein 4. Hind wings below dull brown, heavily irrorated with white to postmedial; a geminate medial line; a dark spot on discocellular; the postmedial finely dentate; some white terminally at vein 5 and apex.

Expanse 36 mm.

*Hab.* Guapiles, Esperanza.

The female has the wings almost entirely suffused with blue-black, the dark subterminal shade on hind wings narrower.

Expanse 40 mm.

*Safia permixta*, sp. n.

Body and wings brownish buff, tinged with roseate and irrorated with black and dark brown scales. Head mottled with dark brown and white. Collar with a dark transverse line and white tips behind. Thorax streaked with dark brown. Abdomen with dark subdorsal tufts. Fore wings: the base blackish, limited by a velvety antemedial line inwardly oblique from costa, crossed by a velvety basal line and slightly irrorated with buff; orbicular small, light brown; two fine wavy medial lines, dark brown, with another broken line between them; reniform large, outwardly incurved, marked by roseate buff streaks, preceded by a dark

brown spot; postmedial irregularly outcurved, fine, black, more heavily shaded with dark brown on costa, between 5 and 6, and just below vein 2; a subterminal fine dark shade, inwardly oblique and straight from costa to vein 5, then slightly dentate, preceded on costa by a dark line; the outer margin shaded with grey from apex to vein 5, and from above 4 to 3; an interrupted submarginal black line; a wavy terminal black line. Hind wings: an annular shade on discocellular; an antemedial and two medial wavy shades; a fine black wavy postmedial line, followed by a broad blackish shade, and a subterminal velvety black line, straight from apex, angled below vein 6, and very slightly incurved to anal angle, followed by a black shade between 5 and 7; marginal greyish shades between veins 2 and 4; submarginal and terminal lines as on fore wings. Underneath buff, irrorated with grey-brown; two medial and a deeply lunular postmedial dark line; broad marginal fuscous-brown shades; curved pale lines on discocellular, edged with black, and a black point in cell of fore wings.

Expanse 47 mm.

*Hab.* Guapiles.

Allied to *S. celia*, Cr., but easily recognized by its darker base and a different subterminal line on hind wings.

*Cænipeta sororia*, sp. n.

Head: frons brown; vertex grey. Collar white in front, grey behind, and crossed by a dark brown line. Thorax and abdomen grey, tinged with brown; whitish lines posteriorly on segments. Wings brownish grey, lines fine, black. Fore wings: a basal line on costa; the antemedial finely wavy, outcurved, preceded by a paler shade; a medial line from costa, obliquely downcurved around reniform, and then slightly curved to costa, enclosing two wavy lines on costa; reniform brown, with a darker line on discocellular; a lunular faint dark shade from cell to inner margin; the postmedial outcurved beyond cell, the space between filled in with white irrorated with brown and crossed by two fine brownish shades; a subterminal fine dentate shade, whitish above vein 6, and preceded by whitish irrorations; below vein 6 the subterminal is buff-grey, preceded and followed by faintly dark shades; a wavy terminal dark brown line. Hind wings: a dark spot on discocellular containing a pale line, and followed by three finely dentate shades partly edged with grey; the postmedial heavily marked, finely dentate, black, followed below vein 5 by a grey shade; a fuscous patch at

apex; a pale subterminal shade from this patch to anal angle. Hind wings below pale buff, thinly irrorated with brown; a white streak on discocellular, preceded and followed by a black line; postmedial black, lunular, with projecting lines towards base; a broad subterminal black shade.

Expanse 41 mm.

*Hab.* Banana River, La Florida.

Closely allied to *C. zenobina*, Mssn.

*Cænipeta parilis*, sp. n.

Head lilacine brown, shaded with darker brown. Collar lilacine brown, crossed by a dark brown shade; thorax brown, with darker streaks; abdomen fuscous brown, with transverse buff lines posteriorly. Fore wings brown, lightest on outer margin, and with some red irrorations on basal third; the base dark grey, limited by a black line, geminate on costa; the antemedial shade broad, black-brown, divided above median by an oblique grey line, angled in cell, and by a curved grey line on inner margin, outcurved and outwardly produced between median and submedian; a median lilacine brown wavy and outcurved band; end of cell and space beyond to postmedial dark brown, with a blackish line on discocellular; two fine wavy dark shades from below end of cell to inner margin; the postmedial outcurved, black, broadly shaded with white outwardly above vein 6, narrowly with buff below vein 6; a curved subapical black shade; a fuscous marginal shade from vein 3 to just above vein 4; a fuscous shade at tornus divided by a dentate light brown line. Hind wings dark fuscous brown; a broad ochreous postmedial shade from vein 5 to inner margin, and a similar marginal shade divided by a dentate dark shade.

Expanse 42 mm.

*Hab.* Juan Vinas.

Closely allied to *C. diffusa*, Walk., which has the antemedial and medial markings straighter and a distinct dentate subterminal line.

*Barydia pulverosa*, sp. n.

♀. Head mottled brown and white. Collar brown, irrorated with grey. Thorax white. Abdomen fuscous, irrorated with grey and white. Fore wings grey, thickly irrorated with fuscous, especially on median space beyond antemedial line; some black at base of costa; antemedial line black, nearly straight; a black point as orbicular; reniform lunular, its convex side towards base, dark grey, edged with black;

three fine wavy dark lines from reniform to inner margin; a dark angled shade beyond reniform; the postmedial fine, black, outcurved from costa, wavy to vein 3, then inset and slightly incurved; outer margin shaded with brown; a subterminal whitish shade and some white terminally between the veins; a curved black shade from costa before apex to vein 6; a terminal wavy black line; fringe whitish. Hind wings grey-brown; a dark shade on discocellular; an indistinct medial and postmedial dark line, the latter more heavily marked at inner margin; a subterminal whitish shade; terminal line and fringe as on fore wings. Underneath whitish grey: dark medial and postmedial shades; dark spots on discocellular.

Expanse 61 mm.

*Hab.* Sixola.

*Barydia fearnii*, sp. n.

Head and collar brown. Thorax and abdomen grey. Fore wings: the basal space grey-brown, limited by the black antemedial line, nearly straight from costa to below cell, incurved to submedian and outcurved below it; a basal black line enclosing a whitish spot at base of costa, which is otherwise dark brown to antemedial; medial space whitish, irrorated with grey; a black point as orbicular; reniform slightly lunular, outlined in dark grey and black, interrupting a geminate, wavy, dark grey medial line, thickest on costa; the postmedial black, angled below costa, finely wavy to vein 3, then broader and straight to inner margin; outer space light brown; an irregular, broad, black subterminal shade from costa to near vein 3, and also some faint whitish shades; a wavy terminal black line; fringe white, spotted with light brown. Hind wings whitish; a dark shade on discocellular; a fine lunular dark postmedial line, punctiform on veins; a geminate subterminal grey shade; some grey streaks on inner margin.

Expanse 48 mm.

*Hab.* Avangarez.

Named after Mr. Fearn, manager of the gold-mines at Avangarez.

*Palindia albistriga*, sp. n.

Body and wings above brown, the fore wings tinged with violaceous; underneath brown-grey. Fore wings: the lines dark brown; some blue scales at base of inner margin; the basal line short; the antemedial and medial parallel, oblique;

the postmedial straight to below vein 3, incurved to vein 2, then close and parallel to medial, and outwardly edged by a white line; reniform long, narrow, paler, edged by a dark line; subterminal slightly darker than ground-colour, outwardly shaded with light brown, twice angled outwardly; a terminal dark line edged on either side by lighter brown; the fringe fuscous grey tipped with whitish. Hind wings: a dark antemedial line straight from costa towards anal angle; a more distinct straight postmedial line with a curved angle near outer margin, outwardly shaded with ochreous, and followed at angle by a silvery patch crossed by dark lines, and two submarginal black spots separated by an ochreous shade, which intercepts a submarginal pale line. Fore wings below with an oblique medial dark shade and an outcurved postmedial line; on hind wings the medial is faintly curved, the postmedial more heavily marked, finely lunular.

Expanse 37 mm.

*Hab.* Juan Vinas.

Allied to *P. egista*, Bar., but larger, and differing in several respects.

*Palindia delecta*, sp. n.

Head and collar light brown, the latter tipped with whitish buff, and some similar mottling on frons. Thorax whitish buff irrorated with light brown. Abdomen above grey; transverse white lines posteriorly on segments; a dark brown dorsal spot at base. Fore wings: the base grey; a broad subbasal oblique white band obsolescent between submedian fold and vein; the antemedial slightly oblique, brown, inwardly separated from the white by a dark blue metallic line, and outwardly broadly edged with black; the medial space to medial line narrow on costa, wider on inner margin, lilacine grey heavily irrorated with blackish scales in and below cell; the medial line broad, brown, edged with black, very oblique and abruptly indentate on submedian, followed by an opalescent shade; reniform white, circled with black, and surmounted by a large white spot on costa; postmedial broad, brown, edged with black, and crossed by a metallic purple line; some black below reniform, and some brown below vein 2 preceding the postmedial; outer margin with broad subterminal black shades at tornus and above vein 4, limited by a submarginal white line; blackish intervenal shadings, and a terminal dark line. Hind wings fuscous brown: a postmedial opalescent spot at vein 2, surmounted by some



dark scales ; a subterminal dark line from vein 2-5, followed by opalescent scales and a buff space irrorated with black ; a marginal black spot and some silver markings. Wings below yellow : fore wings with broad medial and postmedial dark shades, united between 2 and 5 by a dark brown shade occupying the terminal area beyond postmedial and above submedian ; hind wings with medial dark spot on costa and discocellular ; postmedial spots on costa and below 6 ; apical half of outer margin brown.

Expanse 33 mm.

*Hab.* El Sitio, Sixola, Guapiles.

*Palindia affinis*, sp. n.

Head white, the frons marked with brown, the vertex with yellow. Collar and thorax pale yellow, the former tipped with light brown. Abdomen pale yellow tinged with ochreous terminally. Wings pale yellow. Fore wings : a subbasal black spot on extreme costa ; the antemedial dark lilacine grey edged with black, wide on costa, narrowing in cell and oblique to inner margin beyond middle ; the postmedial similar to vein 3, below which it is brown, inwardly edged with black, outwardly with metallic steel-grey, followed by a brown shade, and is less oblique, terminating at tornus ; a terminal band consisting of fine black lines ; fringe ochreous, tipped with silvery and shaded with fuscous. Hind wings : a large grey space at middle of outer margin, shaded with subterminal opalescent and black scales, with a terminal white streak on vein 4 shaded on either side with darker scales ; a terminal dark line, preceded by some white at veins 3 and 5, and also with ochreous brown at vein 5. Underneath luteous ; fore wings apically shaded with brown ; a postmedial dark shade.

Expanse 28 mm.

*Hab.* Juan Vinas.

Allied to *P. perduceus*, Wlk., from Jamaica.

*Palindia austrina*, sp. n.

Body above and wings brown. Fore wings : the medial and postmedial space tinged with lilacine, the costal margin and apex broadly tinged with ochreous ; a basal metallic-blue streak on costa ; the three transverse bands tinged with ochreous ; the antemedial oblique, inwardly edged by a metallic-blue line, outwardly by a finer blackish line ; the medial still more oblique, inwardly edged by a black line, outwardly by a metallic-blue line ; the postmedial somewhat



curved, edged on either side by a black line and crossed by a metallic-blue line; a submarginal silver line; a dark terminal line punctiform towards apex; fringe fuscous grey. Hind wings: a few postmedial blue scales below vein 2; a subterminal metallic-blue spot from below vein 2 to near 5; some terminal silvery marks. Wings below yellowish; the fore wings brown beyond broad dark postmedial shade, and with a brown medial shade from costa to vein 2; hind wings with a dark medial streak and a broad postmedial shade, both on costa only; the apex brownish.

Expanse 29 mm.

*Hab.* Sixola, La Florida.

*Palindia folium*, sp. n.

Body above bright green, the abdomen posteriorly ochreous. Fore wings bright green; three oblique lines from costa, light brown, crossed by darker striæ, and bifurcating on costal margin; the costa finely buff; a dark brown terminal line; fringe brown. Hind wings orange-yellow: the base, a broad streak below cell, widening on outer margin to vein 5, and a streak on inner margin bright green; a fine subterminal streak on green portion ending in a grey spot at vein 2; a dark brown terminal shade from 2-4 and some white spots; fringe dark brown along this space, otherwise brown. Underneath ochreous; the fore wings apically shaded with brown; a medial and a postmedial dark line from costa to vein 2. Hind wings: a medial dark spot on costa; a faint postmedial dark line.

Expanse 34 mm.

*Hab.* Tuis, Juan Vinas.

Some specimens are smaller than type and paler below.

Allied to *P. chloris* and *P. viridissima*, Bar.

*Dyomyx ocala*, sp. n.

♂. Palpi, head, collar, and thorax brown. Abdomen fuscous brown. Wings brown shaded with purple; the lines fine, dark brown. Fore wings: an oblique basal line from costa to just below cell; an oblique straight antemedial line; an oblique medial line from costa to ocellus, which is large, black, circled with ochreous and dark brown, and contains some dark blue lines and a white point; the reniform faintly outlined in dark brown; the postmedial slightly oblique to vein 6, then straight to vein 3 and inbent towards ocellus; a fine indistinct subterminal line, outwardly shaded with pale

spots; a dark marginal line, followed by a pale line, and preceded by a pale interrupted line, forming intervenal spots. Hind wings: a short medial line from below cell; the post-medial from above vein 5, obtusely angled near margin, followed by a pale shade, and at angle by silvery grey scales and two terminal black spots containing dark blue scales; the pale line preceding dark terminal line continuous from apex to spots; the fringe on both wings dark grey.

Expanse 37 mm.

*Hab.* Sixola.

*Dyomyx obliquata*, sp. n.

Head, collar, and thorax brown. Abdomen fuscous. Fore wings: the base lilacine brown to antemedial line, crossed by an oblique black basal line from costa to submedian; the antemedial black-brown, oblique from costa to inner margin; the medial space crossed by a broad dark brown band from costa to inner margin and containing outwardly on submedian vein a black ocellus with a white point and ochreous border; this band is outwardly limited by a lilacine oblique line, becoming silvery white from vein 2 to inner margin, and is followed above vein 2 by a lilacine brown space on which the reniform, large and outlined with dark brown, is conspicuous; the postmedial dark brown, nearly straight from costa to vein 3, then inbent to dark medial shade at vein 2, outwardly shaded with pale lilacine brown; the outer margin lilacine brown shaded with fuscous except on costa and at apex, crossed by an interrupted light brown sub-terminal line, and a small black spot between 6 and 7; a terminal dark brown line; fringe dark grey tipped with white. Hind wings fuscous brown: an indistinct dark medial line; a postmedial dark line outwardly edged with light ochreous brown, straight from above vein 5, and wavily angled at vein 2, where it is followed by some metallic steel-grey scales; an interrupted pale marginal line with a blue-black spot at vein 2; fringe with a white line at base, then a dark grey line, and terminally whitish except from vein 2 to anal angle.

Expanse 47 mm.

*Hab.* Juan Vinas.

*Ophisma nobilis*, sp. n.

Head, collar, and thorax dark reddish brown. Abdomen fuscous brown. Fore wings: the base to near middle dark reddish brown, limited by a nearly straight fine white and

lilacine line; a faint pale antemedial streak on costa; the outer portion of wing light brown strongly tinged with lilacine, and thinly irrorated with dark scales; reniform indistinct, still lighter brown with a dark point anteriorly and posteriorly; a dark fine dentate shade from reniform to inner margin, and a more clearly marked similar postmedial line from vein 6; a large dark reddish-brown space at apex, with pale costal points and inwardly edged by a wavy curved white line; terminal lilacine shadings, with small dark marginal spots and a fine dark line beyond them; fringe grey with a darker grey line. Hind wings dark brown; a small pale spot above anal angle; a little lilacine shading terminally from veins 2-4.

Expanse 50 mm.

*Hab.* Juan Vinas.

*Ophisma fulvipuncta*, sp. n.

♂. Head and thorax violaceous brown. Collar reddish brown. Fore wings brown strongly tinged with purple, the veins purplish grey; basal and antemedial lines, indistinct, formed by clusters of greenish-grey scales, obsolescent below submedial fold; some medial irrorations on costa; postmedial clusters of scales from costa to vein 3, divided by an interrupted dark line; subterminal clusters of scales above vein 4, chiefly on costa; orbicular oval, darker greenish grey containing a brown streak; a bright small fulvous spot above submedian postmedially; fringe olive and ochreous brown tipped with white. Hind wings dark brown; faint traces of a postmedial pale line, terminating in lilacine scales and some darker brown above anal angle; fringe whitish, becoming ochreous and then brown at anal angle. Underneath brown, heavily irrorated on hind wings and costal margin of fore wings to postmedial with lilacine; the postmedial brown, finely crenulate on hind wings; terminal white points.

Expanse 51 mm.

*Hab.* Tuis.

*Ophisma ? esperanza*, sp. n.

Head and thorax olive-brown tinged with lilacine. Abdomen fuscous, with transverse bands of olive-brown hairs. Fore wings: the basal portion olive-brown limited by a fine darker brown line from costa at a third from base to middle of inner margin; the space to outer line brown tinged with lilacine; orbicular as a brown point; reniform consisting of a short dark streak on discocellular; a wavy

shade beyond cell somewhat oblique outwardly; the outer line darker brown, oblique from costa to vein 6, then geminate and straight to inner margin at tornus; outer margin lilacine, irrorated with brown, chiefly near outer line, and extending above vein 6 in a curve to apex; marginal brown intervenal points connected by slightly curved lines. Hind wings fuscous brown; a subterminal whitish line at anal angle; fringe mostly greyish.

Expanse 60 mm.

*Hab.* Esperanza, Sixola.

Allied to *O. despagnesi*, Gn., which has the two lines parallel.

The above species, with *O. despagnesi*, Gn., and *O. macaria*, Cr., will require a new genus.

*Dyops subdifferens*, sp. n.

♂. Head and collar fuscous brown. Thorax and abdomen black-brown. Fore wings olivaceous grey; a basal darker line; an antemedial slightly curved darker band followed by a wavy fine dark line; pale transverse lines on either side of discocellulars; a fine black postmedial line, outcurved beyond cell, shaded with whitish from vein 6 to inner margin; outer margin brown with a darker subterminal shade; a submarginal metallic-green dentate line, followed by black ocelli containing paired white points between veins 2 and 3, and 3 and 4. Hind wings dark brown, a darker postmedial line followed from vein 5 to anal angle by a light golden-brown shade; terminal ocelli between veins 2 and 4 edged with silvery green and some metallic terminal shadings. Underneath light brown: fore wings with broad basal, postmedial, and marginal fuscous shades, narrowing on inner margin; a linear spot on discocellular; hind wings with a dark spot on discocellular, a postmedial excurved shade, somewhat incurved before inner margin, and fuscous marginal shades. Sexes similar.

Expanse 36 mm.

*Hab.* Juan Vinas, Tuis, Cachi.

Allied to *D. ocellata*, Cr., but readily distinguished by the markings underneath, and the double ocelli on margin of fore wings.

*Capnodes chiva*, sp. n.

♂. Body and wings dark violaceous brown; a postmedial dark line with minute yellowish-buff spots on veins; similar subterminal spots between the veins, and points on a darker

terminal line. Fore wings: an antemedial line with minute whitish spots on median and submedian veins; two large pure white spots on costa at origin of lines. Underneath fuscous grey with dark spots on discollular: fore wings with a postmedial white streak on costa; hind wings with a postmedial and subterminal dark line.

Expanse 25 mm.

*Hab.* Juan Vinas.

Allied to *C. borrega*, Schs.

*Capnodes anguinea*, sp. n.

♀. Head, thorax, and wings brown. Abdomen fuscous. Fore wings: an antemedial irregular white line, thickest on costa, shaded with reddish brown in and below cell; a black point as orbicular; reniform kidney-shaped, linear; postmedial dark brown starting from a white spot on costa, below which it is lunular and outwardly edged with reddish brown; subterminal black spots, the largest between submedian and vein 2, and between 5 and 6; marginal black points. Hind wings: a dark shade on discocellular; a medial line similar to postmedial on fore wings; subterminal small black spots; terminal black points.

Expanse 31 mm.

*Hab.* Juan Vinas.

Allied to *C. lacteigera*, Btl., which is smaller and without any reddish shades.

*Capnodes penelope*, sp. n.

Head, thorax, and wings fuscous brown. Abdomen dark fuscous. Fore wings: darker antemedial and postmedial lines starting from fine whitish streaks on costa, the postmedial with minute white points on veins; a darker patch in place of reniform; a small bluish-grey spot near base below cell, and a large similar spot beyond postmedial above submedian; a subterminal row of small white spots; similar terminal spots below vein 4; white spots on fringe. Hind wings: a medial line similar to postmedial on fore wings; subterminal and terminal white spots. Underneath: fore wings fuscous; a medial white spot on costa; hind wings paler with a medial and broad marginal fuscous shade, and a dark streak on discocellular.

Expanse 24 mm.

*Hab.* Juan Vinas.



*Capnodes memoranda*, sp. n.

♂. Head dark grey. Collar brown, anteriorly edged with white. Thorax grey posteriorly speckled with black. Abdomen above brown, changing to grey on last segment; anal hairs buff and grey. Wings brown. Fore wings: some grey at base limited by a black basal line; a dark brown, geminate, wavy, antemedial line; a similar post-medial line, geminate only on costa; the outer third of wing filled by a large oval grey space, edged by a black line incurved from apex, and outwardly by the terminal black line which is intercepted by the veins; this space does not reach the costa nor submedian vein, and is crossed by a dentate and wavy line dark anteriorly, whitish below vein 4 and followed by a diffused brownish shade. Hind wings: a fine dark line on discocellular; a dark geminate medial line lunular dentate; a subterminal row of white points; marginal white points between vein 4 and anal angle; a large greyish patch at anal angle, and a smaller similar marginal patch at vein 4. Underneath buff, irrorated with fuscous; broad subterminal fuscous shades; a medial shade and discocellular streak on hind wings; an orbicular point on fore wings.

Expanse 37 mm.

*Hab.* Tunis.

Allied to *C. orbiculata*, Feld., and *C. restricta*, Brebant, but quite distinct.

*Capnodes amalthea*, sp. n.

♂. Head and thorax brown. Abdomen fuscous above. Wings brown. Fore wings: fine geminate antemedial and postmedial lines, dark grey, lunular and indistinct; a black medial point in cell; a fine subterminal dark line, incurved from apex, then nearly straight to tornus, terminating below vein 3 in a wavy white line; from vein 2 to 8 the subterminal is followed by a greyish irregular shade; an interrupted terminal fuscous line. Hind wings: a dark streak on discocellular; a geminate finely wavy dark medial line; some greyish subterminal shades chiefly towards anal angle.

Expanse 30 mm.

*Hab.* Juan Vinas.

*Capnodes rubida*, sp. n.

Head, collar, and thorax brown. Abdomen greyish fuscous above. Wings light brown. Fore wings: an antemedial dark irregular white line, inwardly edged with crimson, and

outwardly broadly shaded with red, which extends in cell between orbicular and reniform which are black; a postmedial red line, broad on costal margin, and divided by a white line from costa to between veins 6 and 7, below which it is inwardly partly edged with black; an irregular subterminal black shade, most heavily marked from vein 4 to costa and below vein 2. Hind wings: a dark point in cell; a medial red line partly edged with black and divided by a white line between veins 2 and 4; terminal dark lines on both wings.

Expanse 23 mm.

*Hab.* Sixola River, Juan Vinas.

*Capnodes perornata*, sp. n.

♂. Palpi, head, collar, and thorax brown. Abdomen fuscous above. Wings lilacine fuscous slightly tinged with brown. Fore wings: an antemedial silvery white band edged and divided by a rust-brown line, which is geminate between vein 2 and submedian; the median, vein 2, and submedian also rust-brown where crossing this white band; some minute and indistinct rust-brown spots medially below cell; a dark transverse line across cell near its end; a silvery white space beyond cell from vein 5 to 7, crossed by two rust-brown lines, surmounted by a white spot on costa, and followed by white and rust-brown spots to apex; black marginal points between the veins. Hind wings a trifle paler; a dark medial line outwardly shaded with a little rust-brown; an indistinct geminate subterminal dentate shade; marginal black points as on fore wings.

Expanse 25 mm.

The ♀ has the white spots extended medially between vein 2 and cell, and small spots between 3 and 4, and 4 and 5, thus connecting with the white space above vein 5.

Expanse 27 mm.

*Hab.* Tuis, Sixola.

*Capnodes rubrilinea*, sp. n.

♂. Palpi brown-grey, some red on third segment. Head red; some brown on vertex. Collar brown with two crimson spots. Thorax and abdomen above greyish fuscous, some brown on patagia anteriorly. Fore wings: base dark brown on costa, grey-brown below cell, a small red spot on costa; a broad antemedial white band, nearly straight inwardly, four times incurved outwardly, irrorated with crimson and divided by a brown and red shade from costa to median vein;

medial space brown shaded with slate-grey on veins; orbicular small, dark; reniform large, slate-grey, edged with dark brown; postmedial line curved beyond cell, finely dentate and lunular, crimson, divided by a white line from costa to vein 7, and followed on costa by a red spot, and between veins 6 and 8 by a larger red space irrorated with white; an irregular subterminal slate-grey shade; a terminal wavy black line inwardly shaded with slate-grey; fringe slate-grey divided by a straight black line. Hind wings lighter brown with a few dark irrorations; a dark spot on discocellular; a postmedial dentate crimson line divided by a fine white line from vein 5 to inner margin; outer margin and fringe as on fore wings. Underneath buff irrorated with brown, the discal spots round and conspicuous; the orbicular also marked by a dark point.

Expanse 32 mm.

*Hab.* Juan Vinas.

*Capnodes agrestis*, sp. n.

♀. Head, collar, and thorax brown tinged with lilacine. Abdomen above fuscous. Wings lilacine brown; the lines brown, not very distinct. Fore wings: the antemedial slightly curved with buff points on veins; a medial line curved around discocellular; the postmedial outcurved below costa, outwardly shaded with light brown, and with buff points on veins; a subterminal irregular row of black spots shaded with white; a faint zigzag terminal dark line; pale costal points towards apex. Hind wings: a postmedial straight buff line outwardly shaded with reddish brown, and followed by a broad grey shade from vein 6 to inner margin, outwardly finely lunular and containing some black and light brown spots.

Expanse 36 mm.

*Hab.* Juan Vinas, El Sitio.

*Capnodes amarga*, sp. n.

♂. Palpi, head, and collar fuscous. Thorax lilacine brown. Abdomen fuscous above, buff underneath. Wings light brown faintly tinged with lilacine. Fore wings: the costa broadly lilacine fuscous; the outer margin below vein 7 darker, also the outer portion of inner margin; the lines dark; a basal line; the antemedial partly geminate, followed by a dark point in cell; the postmedial dentate, lunular, geminate; a subterminal white line, interrupted from vein 6 to inner margin; dark terminal points between the veins.

Hind wings similar, but without an antemedial line, a dark spot in place of it; the subterminal white line from costa. Underneath buff-brown: fore wings with a black point in cell; a streak on discocellular suffusing with straight post-medial line; a brown subterminal shade. Hind wings: a large dark cellular point followed by a geminate dark shade; the outer margin broadly dark.

Expanse 35 mm.

*Hab.* Guapiles, Port Limon,

*Capnodes tuva*, sp. n.

♂. Palpi outwardly reddish brown, inwardly ochreous, the third segment ochreous at base. Head and collar dark reddish brown. Thorax similar in front, posteriorly dark violaceous fuscous. Abdomen dark fuscous. Fore wings violaceous brown, thinly irrorated with metallic-blue scales; the lines buff edged with reddish brown, both very slightly curved; an irregular row of dark subterminal spots outwardly shaded with lilacine-blue; a terminal dark line slightly lunular between veins and inwardly shaded with bluish scales; very minute white costal points before apex; an ovate dark line at end of cell. Hind wings browner in tint; a dark spot on discocellular; the postmedial line, subterminal spots, and terminal line as on fore wings. Underneath fuscous brown; a darker postmedial line, starting from a small buff spot on fore wings.

Expanse 32 mm.

*Hab.* Tuis, Juan Vinas, Carillo.

*Capnodes tuisa*, sp. n.

Palpi brown, the base and tip of third segment pale buff. Head and collar brown. Thorax violaceous brown. Abdomen fuscous. Fore wings dark violaceous fuscous; the antemedial line wavy, still darker, inwardly shaded with reddish brown, and with a white point on costa and on submedian; the post-medial finely lunular, outwardly shaded with light reddish brown, with a larger white spot on costa and a white point on submedian; an irregular fine subterminal line with grey buff points on veins; a dark terminal line with light brown points between the veins and whitish points on costa towards apex. Hind wings violaceous fuscous; a dark point on discocellular; a dark finely wavy medial line from vein 7 to inner margin near angle, outwardly edged with buff, and followed by a broad greyish-buff space irrorated with brown, and with some postmedial blackish spots, chiefly near inner

margin; the terminal line as on fore wings. Underneath: fore wings fuscous brown; a dark spot on discocellular; a post-medial straight dark line, starting from a buff costal spot. Hind wings luteous, the outer margin shaded with fuscous especially at apex; a discocellular spot and dark medial line. A male from Guapiles has the pale shadings on hind wings entirely suffused with brown.

Expanse 30 mm.

*Hab.* Tuis, Carillo.

*Capnodes abstrusa*, sp. n.¹

♂. Palpi, head, and collar brown. Thorax dark violaceous fuscous. Abdomen dark fuscous. Wings dark violaceous fuscous. Fore wings: two light brown patches on costa at origin of antemedial and postmedial lines, which are light brown edged with dark brown, and end in a small white dot on inner margin; the antemedial forming two slight curves; the postmedial curved beyond cell; a light brown terminal line slightly curved between veins and preceded by light brown shades; four white points on costa before apex. Hind wings: a large light brown space on outer half from vein 6 to tornus, outwardly dentate near tornus and crossed by a dentate dark subterminal shade; the basal portion of light space is curved from cell to anal angle, and is crossed by a postmedial brown shade; a terminal pale line as on fore wings inwardly shaded with dark brown between it and the pale space. Underneath fuscous brown, the hind wings with the basal two-thirds paler; a dark discocellular streak and a dark medial shade slightly angled beyond cell.

Expanse 35 mm.

*Hab.* Juan Vinas.

Closely allied to *C. sufficiens*, Walk.

*Capnodes apicata*, sp. n.

♂. Head and thorax grey-brown, the palpi irrorated with whitish scales. Abdomen grey-brown, with paler lines posteriorly on segments; dark subdorsal tufts on third and fourth segments; anal hairs dark brown. Fore wings greyish brown, the lines fine, dark brown; the basal line faint; the antemedial wavy, incurved in cell, and inwardly shaded with buff-brown; a geminate dark medial shade; the postmedial straight to subcostal, then angled and slightly oblique to inner margin, shaded on both sides with buff-brown; a dark point in cell beyond antemedial line and another on medial shade; the outer margin dark brown,



except a broad costal space to apex and a patch at tornus, which are grey-brown. A subterminal indistinct darker shade and terminal dark spots between the veins. Hind wings: the basal area darker to a medial blackish line, beyond which the wing is light brown, crossed by a wavy black postmedial line, and a subterminal geminate dark dentate shade, inwardly shaded with greyish towards inner margin; terminal dark spots between veins.

Expanse 37 mm.

*Hab.* La Florida; Sixola.

*Bendis tremularis*, sp. n.

Head, collar, and abdomen brownish grey. Thorax and fore wings grey. Fore wings: lines dark brown; a point at base of cell; antemedial fine wavy, inset on subcostal and outwardly curved; a black point as orbicular; a dentate medial line; postmedial fine, outcurved, and wavy; reniform indistinct, inwardly edged by a dark brown velvety line and with a small yellow spot posteriorly; an irregular row of indistinct subterminal brownish spots; marginal black points; the wing slightly darker about tornus. Hind wings dark brown; a straight line from apex to anal angle separates the outer margin which is whitish grey; the antemedial and medial lines wavy, black.

Expanse 36 mm.

*Hab.* Tuis.

*Focilla proba*, sp. n.

♀. Palpi black irrorated with white and broadly circled with black at tips. Head, collar, and thorax rust-brown; two white lines on frons. Abdomen fuscous brown. Wings rust-brown, the lines darker. Fore wings: the base darker with a few white irrorations on costa; a faint basal line; the antemedial wavy, crossing the orbicular which is very small; the medial line dentate on costa, finely wavy below cell; the reniform large, round, black; the postmedial outcurved around cell, finely wavy; the subterminal shade inwardly oblique from costa to below vein 6, then slightly outcurved to vein 2, but still inwardly oblique, followed by a parallel dark shade, bifurcating along vein 7 and irregular to apex; a marginal row of black points and lilacine irrorations from veins 5-6. Hind wings: a medial black wavy line; two antemedial and two postmedial dark shades; the marginal black points united by a wavy dark line near anal angle. Underneath light brown irrorated with fuscous; the subterminal shades very marked; the postmedial line very fine.

The fore wings have the apex acute, the outer margin very nearly straight to vein 4, then angled and inwardly oblique; the hind wings are produced at vein 4.

Expanse 40 mm.

*Hab.* Tuis.

A specimen from La Florida is paler without any dark shadings; the subterminal on fore wings obsolescent below vein 5. Underneath there are no dark subterminal shades.

*Focilla pallidipes*, sp. n.

Body brown tinged with lilacine. Legs brown; tarsi creamy yellow; a white spot at joint of femora and tibia. Wings brown tinged with lilacine, palest on outer margin. Fore wings: a fine basal and antemedial paler line, outcurved on costa, then nearly straight to inner margin, the former inwardly edged with darker brown, the latter outwardly so marked; the orbicular small, round, edged by a pale line; a nearly straight finely geminate dark medial line, outwardly more heavily dark shaded; reniform large, lighter brown with some white points and scaling; the postmedial pale, inwardly shaded with darker brown, outcurved and very wavy to vein 3, then inset from below reniform, outwardly oblique to submedian fold, and again inset and outwardly oblique to inner margin near tornus; the subterminal inwardly curved from costa before apex to vein 3, then inset, wavy to tornus, pale, inwardly shaded with dark brown, and interrupted by some black marks near costa; marginal white points between the veins; a dark terminal shade from vein 4 to tornus, which is continued on hind wings as a straight line from apex to anal angle and is followed on hind wings by a buff and lilacine shade separated by a fine darker line; marginal white spots, largest near anal angle. Underneath lilacine brown; a wavy fine black postmedial line irregularly shaded outwardly with buff; short white discocellular streaks; marginal white points; fore wings with the orbicular well marked, and a subterminal white spot between veins 6 and 7. The fore wings are produced at apex and vein 4, very oblique below 4; the hind wings are produced at veins 6 and 4, and are otherwise rather crenulate.

Expanse 45 mm. A rather small specimen.

*Hab.* Tuis.

*Focilla sublignaris*, sp. n.

Palpi: the second segment outwardly brown, inwardly buff; the third segment buff circled with light brown near

tip. Fore wings slightly produced at apex and veins 4-5, otherwise crenulate. Hind wings crenulate, slightly produced at vein 4. Head, collar, and thorax brown. Abdomen fuscous brown above. Legs with long grey hairs; tarsi brown, inwardly paler. Fore wings dull brown, shaded with blackish grey on outer margin; the basal line black, outwardly edged with white; the antemedial lunular black, inwardly edged with white; the orbicular round, black circled with white; a dentate lilacine brown shade medially from cell to inner margin, preceded and followed by darker brown; the reniform large outlined with white, filled in with light and dark brown; a blackish dentate line from below reniform to inner margin, slightly edged with white; the postmedial wavy and nearly straight to inner margin, followed by white and lilacine shades on costa to near apex; a diffuse dark subterminal shade and marginal black points. Hind wings: the postmedial space below cell lighter brown; the black antemedial line followed by a light brown shade; the medial black, geminate on costa, coalescing below cell to inner margin; the subterminal geminate, the outer part very broad from vein 5 to inner margin; the outer margin blackish from vein 4 to anal angle. Underneath dark grey, irrorated with white and with oblique darker shades and wavy lines; the postmedial outwardly shaded with white; the fore wings have the basal half above fold nearly white with a few dark irrorations; the costal margin beyond postmedial and above vein 6 thickly irrorated with white.

Expanse 42 mm.

*Hab.* Tuis.

*Focilla terraba*, sp. n.

Body and wings lilacine brown. Fore wings: outer margin deeply incurved between apex and vein 4, then oblique and faintly crenulate; a faint black basal line; antemedial fine, black, consisting of clusters of scales inset in cell; a small black spot as orbicular; a wavy, geminate, black medial line; reniform large, indistinct, partly outlined with white; postmedial very fine, black, wavy, outcurved to vein 3, then inset below reniform; outer margin below vein 7 shaded with grey; an oblique black streak from vein 6 tapering to vein 3; a short streak above it from 7-5; from vein 3 to tornus the margin terminally blackish, on which the marginal points are yellow; above vein 3 the marginal points are white shaded with black. Hind wings produced at veins 7 and 4, also crenulate; a straight roseate line from apex to anal angle, preceded by a broad black shade, and

followed by lilacine grey crossed by a paler line; outer margin lilacine grey above vein 4, below it brown with the marginal white spots much larger; the antemedial and medial lines indistinct. Underneath the outer margins are broadly shaded with lilacine grey, obsolescent at apex and between 3 and 5 on fore wings; the postmedial partly edged with white.

Expanse 37 mm.

*Hab.* Terraba.

*Focilla perplexa*, sp. n.

♀. Body above brown, the thorax tinged with lilacine; underneath greyish buff. Wings greyish brown tinged with lilacine. Fore wings: basal, antemedial, and postmedial lines fine, blackish irrorated with grey; a medial brown line, geminate below cell; a broad wavy reddish-brown subterminal shade, preceded on costa by lilacine and white irrorations; marginal black points connected by a fine lunular line; orbicular a black point; reniform outlined by a brown line and two short buff streaks below. Wings angled at vein 4. Hind wings: an antemedial black line; medial line irregular, black outwardly edged with grey; a broad subterminal reddish-brown shade from below vein 7 to inner margin, really a geminate line filled in with paler reddish brown; marginal black points followed by a fine dark line; margin slightly produced at vein 4. Wings below greyish buff, irrorated with black except on inner margin of hind wings; a black medial line thickening near inner margin; a fine black postmedial line outwardly edged with white; a dark subterminal shade, a subapical black spot on fore wings.

Expanse 35 mm.

*Hab.* Sixola.

The male is similar to the female, but slightly paler.

*Focilla inconstans*, sp. n.

♂. Body above and wings fulvous brown. Body below greyish white. Fore wings: the lines black; a basal line on costa outwardly edged with white; the antemedial oblique on costa, then inset, lunular to inner margin, inwardly irrorated with white; a black point as orbicular; the medial line wavy, straight; the reniform large, greyish buff crossed by a fine dark line; the postmedial outcurved and wavy, partly shaded with grey; a faintly darker shade between medial and postmedial; subterminal shade broad, darker

brown, straight from costa, very faint below vein 4; marginal black points; outer margin angled at vein 4. Hind wings: a fine antemedial line; medial line black, irregular, outwardly edged with grey; subterminal indistinct, geminate, finely wavy; marginal black points; wing produced at vein 4. Wings below greyish buff, irrorated with light brown; black discal points; medial and postmedial lines very fine, wavy; subterminal indistinct, broken into spots.

Expanse 34 mm.

*Hab.* Guapiles.

*Focilla vulgaris*, sp. n.

♀. Head and thorax brown. Abdomen fuscous. Fore wings dull brown, tinged with grey on basal third and postmedial space; the antemedial line fine, wavy, brown; a velvety-black point as orbicular; a small brown spot on costa above orbicular; outer portion of medial space to postmedial line clearer brown, on which the reniform stands out distinct; reniform grey-brown, edged below by a buff line; postmedial fine, dark brown, outwardly edged on costa with light brown; subterminal line fine, buff, deeply dentate, indistinct below vein 6, separating the greyish postmedial space from the brown outer margin; a subterminal oblique buff line between 6 and 8 inwardly shaded with velvety black-brown, and followed by a similar shade to apex; a wavy terminal brown line. Hind wings greyish brown; an antemedial brown shade and a medial brown line; a slightly curved brown shade from outer margin at vein 5 to anal angle, where it is broader and followed by a yellowish-white line. Wings below dull brown, irrorated with white especially on hind wings; a fine postmedial line partly shaded with white; a marginal small white spot between 6 and 7 on fore wings. Fore wings incurved from apex to vein 4; hind wings produced at vein 4 and crenulate to anal angle.

Expanse 37 mm.

*Hab.* Tuis.

A widely distributed species.

*Focilla nescia*, sp. n.

♀. Body and wings brown, faintly tinged with lilacine. Wings faintly produced at vein 4. Fore wings: the lines dark brown; a basal line on costa outwardly edged with white; the antemedial oblique on costa, inset and outcurved from subcostal vein, then outwardly oblique below submedian, inwardly edged with white on costa, at subcostal, and at sub-



median; medial line wavy, inbent on inner margin; post-medial wavy, incurved at vein 3, outwardly edged with clear white on costa to vein 6, and followed by lilacine irrorations between 6 and 8; outer margin below vein 4 very dark brown, on which a subterminal dark line is barely discernible; above vein 4 the outer margin is fuscous grey irrorated with lilacine, especially on vein 5 and fold above it; a subterminal light brown line from vein 6 to costa, inwardly preceded by a dark brown shade; marginal dark points above vein 4. Hind wings: antemedial and medial black lines, the latter outwardly edged with white on inner margin; the postmedial shade more of a reddish brown followed by a finer subterminal shade; marginal black spots partly connected by a dark lunular line. Underneath duller brown; the postmedial line partly edged with white, a dark medial line, a subapical white spot on fore wings, and the outer margin lilacine below vein 4; hind wings with outer margin broadly lilacine.

Expanse 38 mm.

*Hab.* Sixola.

*Focilla onusta*, sp. n.

♂. Body and wings rich brown, the latter faintly tinged with purple. Pale lateral spots on abdomen except on two last segments. Fore wings: the basal third thinly irrorated with white; the lines dark brown; a basal line on costa outwardly edged with light brown; the antemedial wavy, not oblique, inwardly edged with light brown, chiefly on costa; a medial dark line, geminate below cell; the post-medial wavy, slightly outcurved, finely edged with light brown outwardly; the reniform outlined in light brown; a subterminal fuscous shade projecting towards margin between veins 6 and 7; the outer margin above vein 3 lighter brown; dark marginal points and short transverse streaks; fringe fuscous brown; wings slightly angled at vein 4. Hind wings: antemedial, medial, postmedial, and subterminal dark shades, the medial followed by a light brown dentate line from below cell to inner margin. Margin produced at vein 4 and slightly crenulate from that point to anal angle. Wings below lighter brown; antemedial and postmedial line well marked; medial and subterminal shades less defined; black points in cell and on outer margin; a large subterminal black spot on fore wings between 6 and 7.

Expanse 45 mm.

*Hab.* Tuis.

*Focilla deterrima*, sp. n.

Body and wings fuscous brown faintly glossed with blue and violaceous. Fore wings: the lines black, irregular, almost imperceptible; an antemedial, medial, and postmedial line, the latter only slightly outcurved; the subterminal only visible from vein 5 to tornus, consisting of four fine wavy lines; marginal black points; the reniform consisting of a dark annular line; fringe light brown tipped with white. Hind wings: the antemedial and postmedial lines nearly straight and broad; the medial line finely wavy irrorated with grey; from angle at vein 4 to anal angle the fringe is black, above vein 4 as on fore wings. Wings below light brown; a black point in cell; a medial and a postmedial black line, the latter outwardly edged with white in places; a subterminal dark shade on hind wings; marginal black points.

Expanse 39 mm.

*Hab.* Tuis.

*Focilla laloides*, sp. n.

Head, thorax, and wings dark brown tinged with purplish, and thinly irrorated with white scales. Abdomen fuscous brown above. Fore wings: the lines darker; the antemedial dentate and lunular, mottled with grey; a medial line greyish on costa only, slightly wavy followed by a fine paler shade; the postmedial line dentate lunular, outcurved around cell, followed by a broad bluish-grey shade irrorated with white on costa; a light brown subterminal shade, flecked with white towards costa, broadly shaded with fuscous brown, inwardly on costa and outwardly at tornus; the outer margin shaded with grey and thickly irrorated with white between veins 3 and 5; a marginal row of black points; reniform large, round, grey; fringe brown, tipped with white. Hind wings darkest on outer margin; a dark medial line; an irregular postmedial line irrorated with grey below vein 6 and followed by a broad bluish-grey shade. Underneath light brown irrorated with dark brown; antemedial and postmedial lines; a geminate subterminal dark shade; black marginal points; the costal margin of fore wings broadly greyish.

Expanse 41 mm.

*Hab.* Tuis, Juan Vinas.

The sexes absolutely similar.

The species is allied to *F. lola*, Druce.

*Mazacyla subpicta*, sp. n.

♂. Head and thorax reddish brown; the patagia tipped with white scales. Abdomen fuscous; some reddish-brown hairs subdorsally at base. Wings ochreous brown, irrorated with darker scales, the lines black. Fore wings: apex acute, outer margin rounded; a fuscous basal shade; the antemedial oblique on costa, then inset, nearly straight; orbicular a round black spot; medial line straight to below cell, then slightly outbent; reniform large, white, oval, containing a black streak and some brown scales; postmedial fine, incurved below reniform; a few subterminal black spots, chiefly near costa; marginal black points, fringe dark brown. Hind wings faintly angled at vein 4; fine antemedial and medial lines; postmedial shade indistinct, closely followed by a dentate subterminal shade; a greyish tinge between these two becoming white at inner margin; marginal black points connected by a wavy black line faintly edged with grey. Fore wings below: the base, apex, and tornus yellowish white, otherwise light brown; some black irrorations; a velvety black spot as orbicular; a dark brown irregular medial line; reniform whitish, marked as on upper side; a broad brown shade below reniform; the postmedial white, edged with black on costa, not incurved below reniform; a subterminal dentate whitish line, and a black spot near apex. Hind wings below: the base and outer margin broadly yellowish; a large yellowish spot at end of cell similar to reniform, closely followed by the dark medial line; a broad brown space to postmedial, which is fine, black, slightly irregular; a dentate subterminal line; terminal brown shading between vein 4 and anal angle.

Expanse 42 mm.

*Hab.* Sixola.

*Anomis directilinea*, sp. n.

♀. Head and thorax red mottled with a few yellow hairs. Abdomen fuscous grey; some red hairs subdorsally at base. Fore wings red, thinly irrorated with yellow scales; veins greyish; costal margin tinged with lilacine; antemedial line purplish red, oblique from costa, nearly straight; a darker purplish-red line from subcostal outwardly edged with grey across discocellular and straight to inner margin; the postmedial outcurved, wavy to base of vein 3 at medial line; a white point as orbicular; a white point at base between 4 and 5 as reniform; a subterminal purplish-red shade intercepted by the veins. Hind wings fuscous; fringe fuscous

mottled with reddish brown and a few white scales. Fore wings below fuscous brown, the outer margin paler; the costa tinged with red and irrorated with white; a postmedial distinct black line. Hind wings below violaceous brown irrorated with white; a pale streak on discocellular; a finely wavy black postmedial line.

Expanse 44 mm.

*Hab.* Juan Vinas.

*Anomis rubida*, sp. n.

♀. Head, thorax, and fore wings red. Abdomen and hind wings fuscous brown. Fore wings: the lines light brown irrorated with white; a white spot at base of submedian; the antemedial oblique wavy, outset below median vein; a wavy medial line from submedian; the postmedial twice outcurved to vein 3, then along vein 3 to reniform; orbicular small, grey, edged with brown; the reniform consisting of two superposed coalescent spots, edged with brown and containing brown points; subterminal dark spots outwardly shaded with white; fringe on both wings light reddish. Fore wings below fuscous brown; the costal margin reddish irrorated with white; postmedial distinct on costa only; outer margin below vein 5 light brown; the inner margin luteous. Hind wings below reddish brown irrorated with white; a wavy postmedial line; a subterminal dark shade.

Expanse 40 mm.

*Hab.* Juan Vinas.

*Anomis barata*, sp. n.

♂. Head and thorax brown tinged with violaceous. Abdomen fuscous; a pale sublateral line; anal hairs whitish. Fore wings brown slightly tinged with red; a white spot and fuscous hairs at base below cell; lines dark reddish brown edged with light brown and slightly irrorated with white scales; the antemedial wavy, oblique from costa to near middle of inner margin; the medial from cell, sinuous; the postmedial wavy, twice outcurved to vein 3; orbicular as a white point; reniform consisting of two superposed coalescent spots, purplish black containing a few white scales; an interrupted subterminal fuscous shade. Hind wings dull brown; fringe greenish brown. Hind wings below purplish brown irrorated with white; a finely wavy dark postmedial line outwardly shaded with whitish.

Expanse 42 mm.

*Hab.* Juan Vinas.

*Anomis patagiata*, sp. n.

♂. Head and thorax fulvous brown tinged with lilacine; the patagiæ produced, reaching third segment of abdomen. Fore wings reddish brown; a tuft of brown hairs above submedian near base; a white point at base; the lines dark reddish brown irrorated with white similar to *A. rubida* and *A. barata* described above; the orbicular as a dark shade containing a white point; reniform large, white, constricted anteriorly and crossed by a brown streak; a subterminal dark shade broken into spots between veins 2 and 5; terminal light brown points; fringe tipped with white. Hind wings fuscous brown; a terminal darker crenulate line, leaving interspace and fringe buff. Hind wings below reddish brown, the inner margin broadly fuscous brown, irrorated with white; a white point on discocellular; a dull reddish postmedial line, outwardly edged with white.

Expanse 40 mm.

*Hab.* Juan Vinas.

*Anomis rufescens*, sp. n.

♂. Head and thorax purple-red; the patagiæ very tufted, tipped with black. Abdomen above fuscous; sublateral buff spots connected by a faint buff line. Fore wings: costal margin olivaceous brown irrorated with white; base below cell and inner margin below submedian purplish; cell medially, and space between median and submedian from near base to subterminal, bright red; lines grey edged with purple; antemedial slightly wavy, hardly oblique; medial faintly incurved from below reniform; postmedial outcurved from 8-6 and outwardly truncate between 5 and 4; a broad subterminal fuscous shade, outwardly edged with light brown; outer margin dark reddish brown, crenulate; orbicular a white point on a purple shade; reniform an interrupted white line on discocellular. Hind wings dark fuscous brown; fringe black mottled with white scales.

Expanse 39 mm.

*Hab.* Tuis, Juan Vinas.

*Anomis innocua*, sp. n.

♂. Head and thorax dull lilacine brown, a tuft of grey hairs on vertex. Abdomen fuscous; anal hairs ochreous. Fore wings dull lilacine brown; the lines fine, darker, edged with dark grey; the antemedial wavy, slightly oblique; the medial nearly straight; the postmedial twice outcurved to



vein 3; a broad fuscous subterminal shade; a small reddish medial shade above submedian, extending beyond medial line; outer margin shaded with fuscous; orbicular a white point surrounded by a darker shade; reniform large, diffuse, dark brown, with a grey line on discocellular. Hind wings dark fuscous brown; a black shade on discocellular; fringe fuscous spotted with white.

Expanse 30 mm.

*Hab.* Sixola.

Allied to *A. fornax*, Gn.

*Anomis umbrata*, sp. n.

♂. Wing shape as in *A. xylina*, Say. Head and thorax lilacine brown. Abdomen fuscous; a white lateral line; anal hairs buff. Fore wings fulvous brown, tinged with violaceous to reniform and near tornus; costal fold brownish irrorated with white; lines dark, partly edged with grey; antemedial from median, preceded in cell by some white scales; medial from below cell, inversely wavy to antemedial; postmedial to vein 4, twice outcurved; orbicular a white point; reniform large, diffuse, dark, with an interrupted greyish line on discocellular; a straight purplish shade from reniform to near tornus; traces of a darker subterminal shade from costa to vein 3.

Expanse 36 mm.

*Hab.* Sixola.

One specimen of this species has the reniform almost entirely white.

*Oræsia striolata*, sp. n.

♀. Palpi brown. Head and collar shaded with ochreous. Thorax and abdomen fuscous. Fore wings greyish lilacine, on basal half numerous lines inwardly oblique from costa to inner margin, brown shaded with bronze; a broader bronzo shade across discocellular and oblique to middle of inner margin; the postmedial consisting of three fine lines angled below costa and inwardly oblique, the innermost line contiguous to bronze shade below vein 5; the postmedial crosses a darker lilacine shade below costa and between veins 2 and 4; a dark line shaded with bronze from apex to inner margin, the bronze shading replaced by silvery gold between veins 2 and 5; the terminal portion of inner margin broadly bronzed; the outer margin lilacine, with darker striae and a terminal bronze shade below apex. Hind wings fuscous.

Expanse 36 mm.

*Hab.* Tuis, Juan Vinas.

*Plusiodonta nitissima*, sp. n.

Palpi white, outwardly shaded with brown. Head: frons white; vertex ochreous brown, with a dark projecting tuft. Collar and thorax ochreous brown, shaded with dark brown and irrorated with lilacine scales. Abdomen fuscous grey above, whitish underneath, irrorated with grey. Fore wings light brown, with darker lines and shadings; a lilacine basal line; the antemedial space broadly silvery golden, thickly irrorated with brown in cell and just below it, also on submedian; the costa finely dark grey; the medial space dark, extending to apex, forming a triangle of which the base is along a wavy line extending from below apex to lobe on inner margin, shaded with lilacine along costa, and with wavy, transverse, lilacine medial lines; an inwardly oblique dark shade from below reniform to lobe; the reniform consisting of wavy lines and some golden scales; some golden scales also medially below cell; the postmedial partly shaded with lilacine; a large silvery-golden space on outer half of inner margin extending slightly above vein 2, and a smaller similar space beyond postmedial between veins 3 and 5; a fine subterminal line outcurved to 6, then incurved across this latter golden space, rounded and deeply incurved across the golden space on inner margin; three submarginal black spots above tornus, and some golden spots above vein 3, outwardly shaded with black from vein 4 to 7; an interrupted marginal lilacine shade and terminal line. Hind wings fuscous grey.

Expanse 39 mm.

*Hab.* Tuis.

*Plusiodonta miranda*, sp. n.

Palpi reddish brown. Head and thorax brown. Collar golden brown, all irrorated with lilacine. Abdomen fuscous grey. Fore wings golden brown; from base of costa and inner margin to lobe lilacine grey, limited by a fine oblique whitish line; a dark streak on costa and below cell, and one in cell more outset, followed by another on costa beyond; from before middle of subcostal an inwardly oblique dark shade to submedian; the outer portion of inner margin to near tornus shaded with lilacine; the medial space slightly tinged with lilacine; the costal margin from before middle to near apex shaded with lilacine; reniform duller brown; a black line from outer margin along vein 7 and incurved to a golden-yellow postmedial spot on vein 2; an ovate black line from tornus to near vein 3; two other fine lines curved posteriorly and meeting below vein 3 extend, the inner one

to costa, the outer one to outer margin at vein 7; some terminal lilacine shading; fringe greyish brown, tipped with whitish from apex to vein 3. Hind wings fuscous grey; fringe tipped with whitish.

Expanse 38 mm.

*Hab.* Juan Vinas.

*Gonodonta pulverea*, sp. n.

♀. Palpi grey, tipped with white. Frons and vertex white. Collar and thorax lilacine grey, scales on latter tipped with white. Fore wings: the costal margin and cell brownish; below cell and outer margin lilacine grey, irrorated with brown; an indistinct brown basal line and fine antemedial line, the latter meeting on inner margin a more distinct medial line, obliquely incurved below cell; reniform light brown, edged with whitish and containing a few black scales; the postmedial fine, wavy, partly shaded with dull golden brown, hardly perceptible; a lunular subterminal line, indistinctly edged with white; a lunular submarginal line, shaded in places with white. Hind wings fuscous brown.

Expanse 38 mm.

*Hab.* Tuis.

*Gonodonta sitia*, sp. n.

Palpi, head, and thorax dark brown, glossed with lilacine. Abdomen black above; anal hairs buff. Fore wings dark olivaceous brown; a black point near end of cell; two darker antemedial lines from inner lobe, outwardly oblique, the basal line partly edged inwardly with white; a medial line of lilacine scales between vein 2 and submedian; a post-medial dentate buff line from vein 5 to 2, preceded and followed by lilacine scales; the lobe at tornus reddish brown, preceded by a geminate reddish-brown line on inner margin; lilacine irrorations on outer margin separated by vague brown lines; fringe grey. Hind wings black; a medial bright yellow band from costa across two-thirds of wing.

Expanse 41 mm.

*Hab.* El Sitio.

*Gonodonta avangareza*, sp. n.

Palpi white in front and above, laterally brown. Frons and vertex white. Collar anteriorly brown, posteriorly dark reddish brown, with a row of lilacine scales. Thorax dark reddish brown. Abdomen above black. Fore wings brown,

palest on outer margin ; the lobe near base of inner margin dark reddish brown, and a similar streak above vein 2 to postmedial ; some lilacine white irrorations on costa and below cell at base, and also on a vague antemedial dark wavy line ; the postmedial black, divided by a line of lilacine irrorations, slightly oblique from costa to submedian near tornus ; some fine medial reddish-brown lines ; a curved brown line beyond postmedial, followed by darker lunular lines, becoming dentate towards tornus, the costal margin apically shaded with reddish brown. Hind wings black ; a broad orange band from base along costa, then curved medially across two-thirds of wing.

Expanse 37 mm.

*Hab.* Avangarez.

*Gonodonta lecha*, sp. n.

Palpi and head whitish grey. Collar and thorax grey. Abdomen deep yellow above, buff-white underneath. Fore wings dark silky brown ; the costal margin white, tinged with light brown along extreme costa ; the base to below cell pale olivaceous brown ; a grey-white streak along base of inner margin ; the sinus bordered with lilacine grey ; a straight subterminal pale line from vein 9 to tornus, followed by light brown and lilacine grey, on which are indistinct lunular lines and submarginal points ; a velvety black point on discocellular anteriorly. Hind wings orange-yellow ; the outer margin broadly black, narrowing to a point near anal angle. Underneath the hind wings are yellowish without markings, or with only a little black on outer margin.

Expanse 38 mm.

*Hab.* Avangarez.

Closely allied to *G. sinaldus*, Gn., but easily distinguished by the subterminal line and paler costa and the different hind wings.

VI.—*A Synoptical Revision of the Dynastid Genus  
Lonchotus.* By GILBERT J. ARROW.

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I DESCRIBED in 1908 two new species of the Madagascan genus *Lonchotus*. Only two species were previously known, *L. lentus*, Burm., and *L. lateretus*, Fairm., the latter being